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Water Year 1980

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-80-1

WATER YEAR 1980

Prepared in cooperation with the Mississippi Department of Natural Resources and with other State, county, municipal, and Federal agencies

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1981

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PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Mississippi and with other agencies, by personnel of the Mississippi District of the Water Resources Division under the supervision of Garald G. Parker, Jr., District Chief, and James L. Cook, Regional Hydrologist.

This report is one of a series issued State by State under the general direction of Philip Cohen, Chief Hydrologist, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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Water resources data for the 1980 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 82 gaging stations; stage records for 17 of these gaging stations; stage only at 4 gaging stations; contents for 4 lakes; water quality for 32 gaging stations, and 105 wells; and water levels for 360 observation wells. Also included are peak-discharge data for 94 crest-stage partial-record stations and water quality data at 19 partial record or miscellaneous sites. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

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[Letter after station name designates type of data: (d) discharge, (c) chemical, (b) biological (m) microbiological, (t) water temperature, (s) sediment, (g) gage height]

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WATER RESOURCES DATA FOR MISSISSIPPI, 1980

INTRODUCTION

Water resources data for the 1980 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 82 gaging stations; stage records for 17 of these gaging stations; stage only at 4 gaging stations; contents for 4 lakes; water quality for 32 gaging stations, and 105 wells; and water levels for 360 observation wells. Also included are peak-discharge data for 94 crest-stage partial-record stations and water quality data at 19 partial record or miscellaneous sites. Locations of these sites are shown on Figures 3-5. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941-70 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935-74 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, Virginia 22202.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report MS-80-1." These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (601) 960-4600.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Natural Resources,
Charlie L. Blalock, Executive Director.

Bureau of Land and Water Resources,
Charles T. Branch, Director.

Bureau of Pollution Control,
Charles H. Chisolm, Director.

Bureau of Geology and Energy Resources,
Alvin R. Bicker, Director.

Mississippi State Highway Department,
John R. Tabb, Director.

Mississippi Research and Development Center,
Dr. Jim W. Meredith, Acting Director.

Pat Harrison Waterway District,
Albert L. Gerrard, Jr., Executive Director.

Pearl River Valley Water Supply District,
Joe D. Brown, President.

Harrison County Development Commission,
Tommy Munro, President.

Jackson County Board of Supervisors,
Edward A. Khayat, President.

Jackson County Port Authority,
Paul Pella, Port Director.

City of Jackson,
Dale Danks, Jr., Mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 50 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

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SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

The 1979 water year undoubtedly will be remembered as the year of the great flood, but the 1980 water year would not take a back seat to it. All across Mississippi the volume of runoff for the 1980 water year exceeded the 1979 water year and at several sites maximum floods of record were recorded.

Three stations, Tombigbee River at Columbus, which drains most of the northeast part of the state; Big Black River at Bovina, which drains the central part of the State; and Pascagoula River at Merrill, which drains part of the central and the southeastern part of the State, may be used to indicate the abundance of runoff during the 1980 water year (Figure 2).

On the Tombigbee River at Columbus, the total volume of runoff was 34.77 in (883 mm). That volume exceeded the 1979 water year runoff by 26 percent. For seven months of the year the runoff was in the upper 25 percent of the historical flow record at the site. Thus, a new all time record for the annual mean discharge of 11,400 ft^3/s (322.8 m^3/s) was set--this exceeded the previous maximum annual mean by 180 ft^3/s (5.10 m^3/s).

With regard to monthly mean discharges, March and April of 1980 recorded 41,830 ft^3/s (1,185 m^3/s) and 31,000 ft^3/s (877.9 m^3/s), respectively, only 5.3 and 5.5 percent less than the previous maximum monthly mean for these months. The Tombigbee River daily mean discharge exceeded the median annual flood discharge for 17 days.

The Pascagoula River at Merrill also contributed to the high runoff that makes the 1980 water year one of the wettest on record in Mississippi. The river had 40.05 in (1,017 mm) of runoff--this exceeded 1979 by 26 percent. The discharge for eight of twelve months was in the upper 25 percent of record and the mean discharge for 1980 is within 30 ft^3/s (0.85 m^3/s) of the maximum annual mean discharge of 19,410 ft^3/s (549.6 m^3/s) set in 1949. The Pascagoula River also set new records for the maximum monthly mean for the months of April and May, exceeding the previous maximum of record for these months by 34 and 32 percent, respectively. There were 23 days during the year when the daily mean discharge exceeded the median annual flood discharge.

The runoff of the Big Black River at Bovina (35.05 in) exceeded 1979 by 18 percent. The discharge for eight months of the year was in the upper 25 percent of record, thus setting a new all time record for the annual mean discharge of 7,235 ft^3/s (205 m^3/s). This exceeded the previous maximum annual mean by 1.6 percent. The Big Black River also set a new record for the monthly mean discharge for April at 23,900 ft^3/s (677 m^3/s)--the monthly mean discharge for March was also extreme; the second highest March of record. The daily mean discharge was above the median annual flood for 23 days during the year.

Although no new record flood crests were recorded on the Tombigbee, Big Black, and Pascagoula Rivers, several other streams recorded new peaks. In the southern part of the State, on Wolf River near Landon, two peaks occurred during the year that exceeded the previous maximum of record by 18 and 20 percent, respectively. In the southwest part of the State, on Bayou Pierre near Willows, a new maximum of record was recorded which exceeded the previous maximum by 25 percent. In the north-central part of the State, on South Fork Tillatoba Creek and Tillitoba Creek, new crests were also recorded which exceeded the previous maximums for these sites by 36 and 31 percent, respectively.

Streamflow Quality

Mississippi streams provide an abundant supply of water that normally is low in dissolved-solids content and is suitable for many purposes. For the most part, the surface waters are not extensively polluted with manmade wastes. Localized stream pollution occurs in some areas of agricultural chemical use, near large urban areas, and along the industrialized Gulf Coast, but the areas in which degraded stream water quality is a problem are not extensive.

With the exception of the Mississippi River, where, in 1980, dissolved-solids concentrations ranged from 170 to 277 mg/L, the dissolved-solids concentrations of most streams in Mississippi generally were less than 100 mg/L. Ranges of dissolved-solids concentrations (in mg/L) in selected streams are given in the following table:

	Minimum	Maximum
Pascagoula River near Benndale	30	73
Wolf River near Landon	21	51
Yazoo River at Redwood	31	80
Big Black River near Bovina	40	159
Homochitto River at Rosetta	34	79

In general, the dissolved-solids concentration of the water in the Yazoo River increased downstream from Shell Bluff to Redwood. The dissolved-solids concentration, as reflected by the specific conductance measurements along the main stem of Tombigbee River, generally increased downstream from Fulton to Columbus. The specific conductance of the water in Tombigbee River ranged from 65 to 105 micromhos/cm at Fulton and from 87 to 135 micromhos/cm at Columbus.

The suspended-sediment concentrations in streams in Mississippi ranged from less than 50 mg/L during periods of low flow to more than 1,000 mg/L during high flow. Concentrations of suspended sediment were generally higher in the Yazoo River basin in the Mississippi Delta in the western part of the State than in the more heavily forested part of the State. The lowest maximum suspended-sediment concentrations observed were in the southeastern part of the State. The following table shows ranges of suspended-sediment concentrations (in mg/L) in several streams.

	Minimum	Maximum
Yazoo River at Shell Bluff	83	513
Yazoo River at Redwood	103	1,010
Big Black River at Bovina	53	366
Homochitto River near Rosetta	31	347

Dissolved-oxygen concentrations in streams were lowest during the summer months when stream temperatures were highest and flow velocities tend to be lowest. The dissolved-oxygen concentrations were generally greater than 5.0 mg/L. Ranges of dissolved-oxygen concentrations in selected streams are shown in the following table:

	Minimum	Maximum
Tombigbee River near Columbus	6.8	13.1
Pascagoula River near Benndale	6.6	9.1
Wolf River near Landon	5.4	9.9
Yazoo River at Redwood	5.6	12.3
Big Black River near Bovina	6.2	12.0
Homochitto River at Rosetta	5.8	10.3

Determinations of pH at index stations indicate that the water of most streams was slightly acidic at times and that the pH of surface waters generally was lowest in the southern part of the State. The pH of the water ranged from 6.1 to 7.8 units in the Yazoo River and from 6.0 to 8.0 units in the Tombigbee River. In the southern part of the State, the pH of the water in Wolf River near Landon and Pascagoula River near Benndale ranged from 5.3 to 6.4 units and 5.9 to 7.8 units, respectively.

Ground-Water Levels

Water levels in the Miocene aquifers in southern Mississippi declined moderately and were 1 to 2 feet lower than in September 1979. Water levels in the shallow Citronelle aquifer were about the same as levels recorded during the previous water year.

In central Mississippi, water levels in Vicksburg Group, Forrest Hill Sand, Cockfield aquifer, Sparta aquifer system and Meridian-upper Wilcox aquifer generally declined less than 2 feet. Water levels in the Sparta aquifer system underlying the Jackson metropolitan area were 2 to 6 feet lower than in September 1979.

In northeastern Mississippi water levels in the Eutaw-McShan aquifer and Tuscaloosa aquifer system generally showed moderate declines of less than 3 feet; however, in areas of heavy pumping water levels declined in excess of 5 feet at a number of stations. In extreme northeastern Mississippi water levels in the Paleozoic aquifers declined less than 1 foot.

In northwestern Mississippi water levels in the Sparta aquifer system, Winona-Tallahatta aquifer and lower Wilcox aquifer declined slightly.

Water levels in the Mississippi River valley alluvial aquifer declined moderately with most reporting stations indicating levels 1 to 5 feet lower than in September of 1979. The alluvial aquifer is the principal source of irrigation water in the State.

Ground-Water Quality

The quality of ground water in Mississippi varies from one aquifer to another as well as within aquifers, but most of the State is underlain by one or more aquifers that contain and can supply ground water suitable for most uses with little or no treatment. Generally, the dissolved-solids concentration of water in the aquifers is relatively low in or near the outcrop area, but increases with depth and distance from the outcrop. Analyses of ground-water samples collected in Mississippi indicate that dissolved-solids concentrations of water pumped from most freshwater aquifers range from about 30 mg/L to 500 mg/L and are less than 300 mg/L in most ground water used for domestic and agricultural purposes. The temperature of ground water is relatively constant in the shallow aquifers and usually reflects the mean annual air temperature. Temperatures generally increase with depth.

The mineralization of ground water in Mississippi generally increases with depth and, with the exception of the alluvial deposits, most aquifers contain saline water at depth. The highest dissolved-solids and chloride concentrations are present in wells near the saltwater-freshwater interface in confined aquifers or in shallow aquifers that are hydraulically connected to estuaries.

The Miocene aquifers and the overlying Citronelle aquifers in the southern third of the State generally contain water that is soft, slightly acidic, and low in dissolved solids. Water from some of the water supply wells near the areas of concentrated pumping in the Miocene aquifers along the Gulf Coast in Jackson and Harrison Counties contains concentrations of sodium and chloride that are slightly higher than other wells in the same aquifer, but farther from the Gulf Coast. The dissolved-solids concentrations in most of these wells are less than 500 mg/L and the waters are suitable for public supply. The higher concentrations of chloride may have resulted from the movement of saline water from deeper aquifers, or from the updip movement of the saltwater-freshwater interface.

Iron in solution is the most common problem in ground water in the State. Dissolved iron concentrations exceeding 0.3 mg/L are particularly common in water in the Mississippi River Valley alluvial aquifer. Iron in solution is also troublesome in some area in the Cretaceous aquifers of northeastern Mississippi and in the Eocene aquifers in the central part of the State.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologyc data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, used for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and the ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic average of individual daily mean discharge during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 um membrane filter. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure, and temperature and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is a quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom.....Animal
Phylum.....Arthropoda
Class.....Insecta
Order..... Ephemeroptera
Family.....Ephemeridae
Genus.....Hexageria
Species.....Hexagenia limbata

Classification levels in this report will be indicated by a series of dots or absence of them. The preceding classification would appear as follows:

ARTHROPODIA
.INSECTA
..EPHEMEROPTERA
...EPHEMERIDAE
....HEXAGENIA

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the work "total" does double duty here, indicating that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total, in bottom material, is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total, recoverable, is the amount of a given constituents that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample.

Turbidity of water is the reduction of transparency due to the presence of suspended particulate matter. The unit of measure is the nephelometric turbidity unit (NTU) and is a measure of light scatter of a beam of light passed through a sample of water.

Weighted average is used in this report to indicate discharge-weighted average values computed by multiplying the discharge for a sampling period by the concentration of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

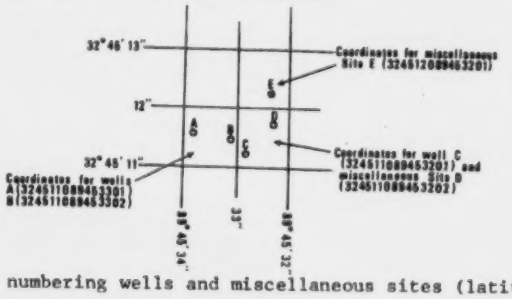

Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 02481510, Wolf River near Landon; 07287120, Yazoo River near Shell Bluff; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

National Water-Quality Surveillance System (NWQSS) Stations are located to bracket major population and industrial centers for the purpose of determining the degree of water-quality degradation and the effectiveness of areawide abatement actions. Stations 07287500, Yazoo River at Yazoo City, and Station 07288800, Yazoo River at Redwood, have been designated as NWQSS stations.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subseqent records, discharge measurements, weather records, and comparison with stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s to whole numbers between 10 and 1,000 ft^3/s; to 3 significant figures between 1,000 and 1,000,000 ft^3/s and to 4 significant figures above 1,000,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 1 site by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 40 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data are given in the table containing the chemical analysis of the ground water.

Numerical codes have been assigned for agencies collecting and/or analyzing samples. A numerical code will not be given in a water-quality table when the collecting and analyzing agency is the U.S. Geological Survey. The agency codes that may be given in this report are as follows:

810	Corps of Engineers, U.S. Army
1028	U.S. Geological Survey
1053	National Park Service
9728	Mississippi State Board of Health
28001	Mississippi Bureau of Pollution Control
28002	Mississippi Bureau of Geology
80010	U.S. Geological Survey, National Water-Quality Laboratory, Doraville, Georgia
80020	U.S. Geological Survey, National Water-Quality Laboratory, Denver, Colorado

Water analysis

Most methods for collection and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory. Some bacterial values are preceded by the symbol "K." The symbol "K" replaces the symbol "B" used in data reports prior to 1978. The symbol denotes that the value given is based on a colony count outside the acceptable range (nonideal colony count).

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements at selected water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude, and (2) a local number that is provided for local needs. See figure 1.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number. and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

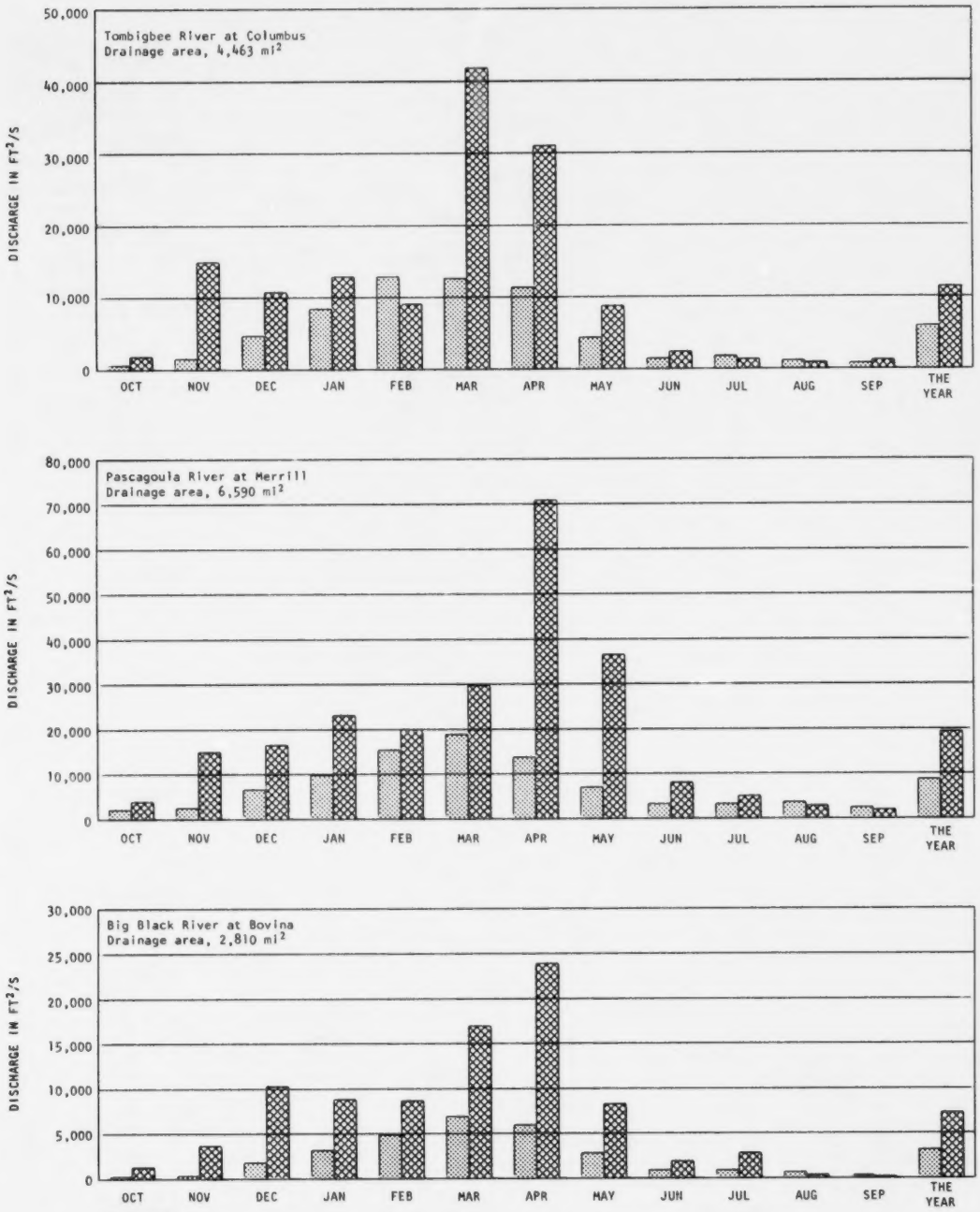

FIGURE 2.--Discharge during 1980 water year compared with median discharge for period 1941-70 for three representative gaging stations.

LOCATION OF HYDROLOGIC-DATA STATIONS

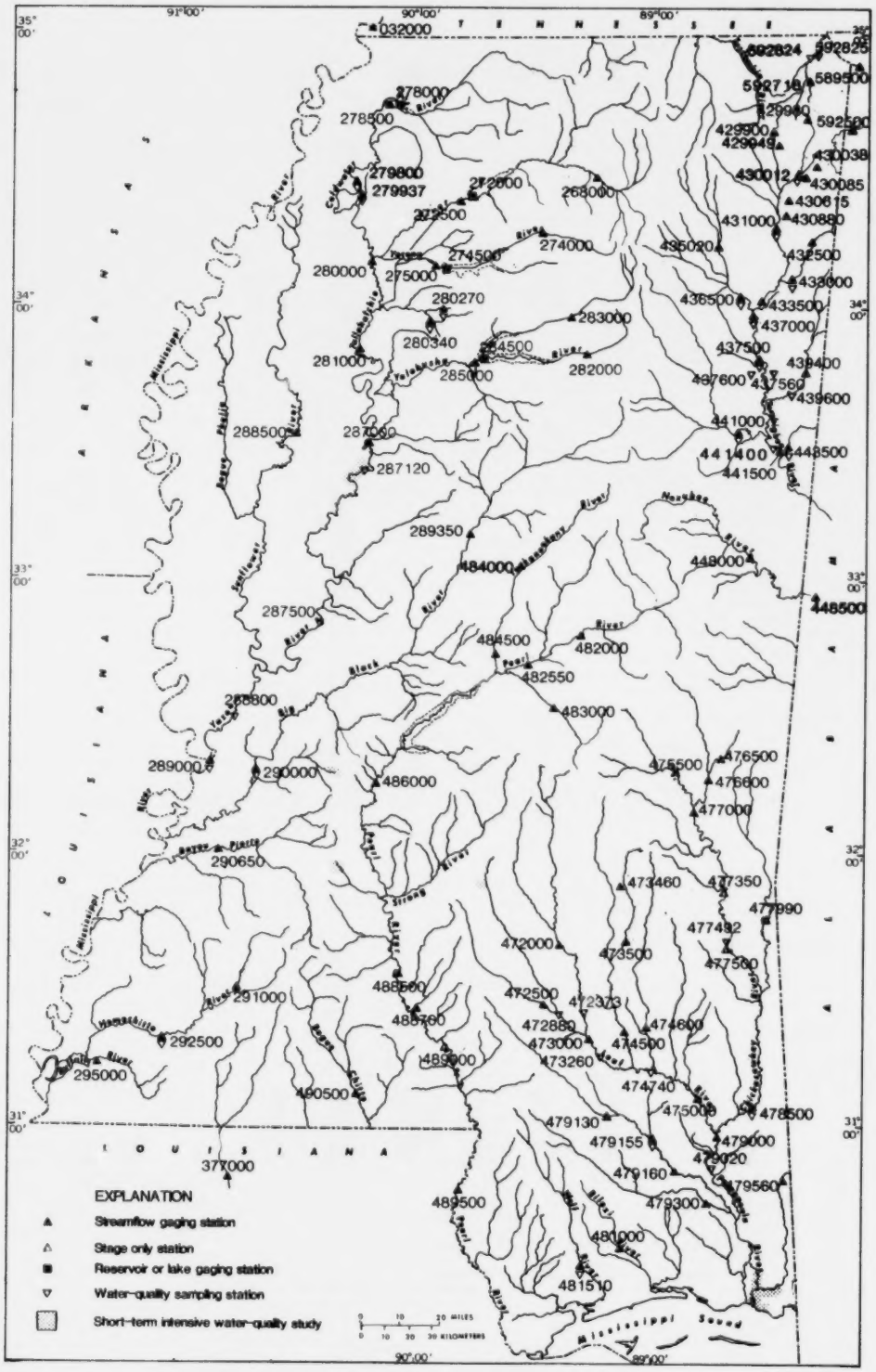

Figure 3.--Map showing location of hydrologic-data stations.

LOCATION OF PARTIAL RECORD STATIONS

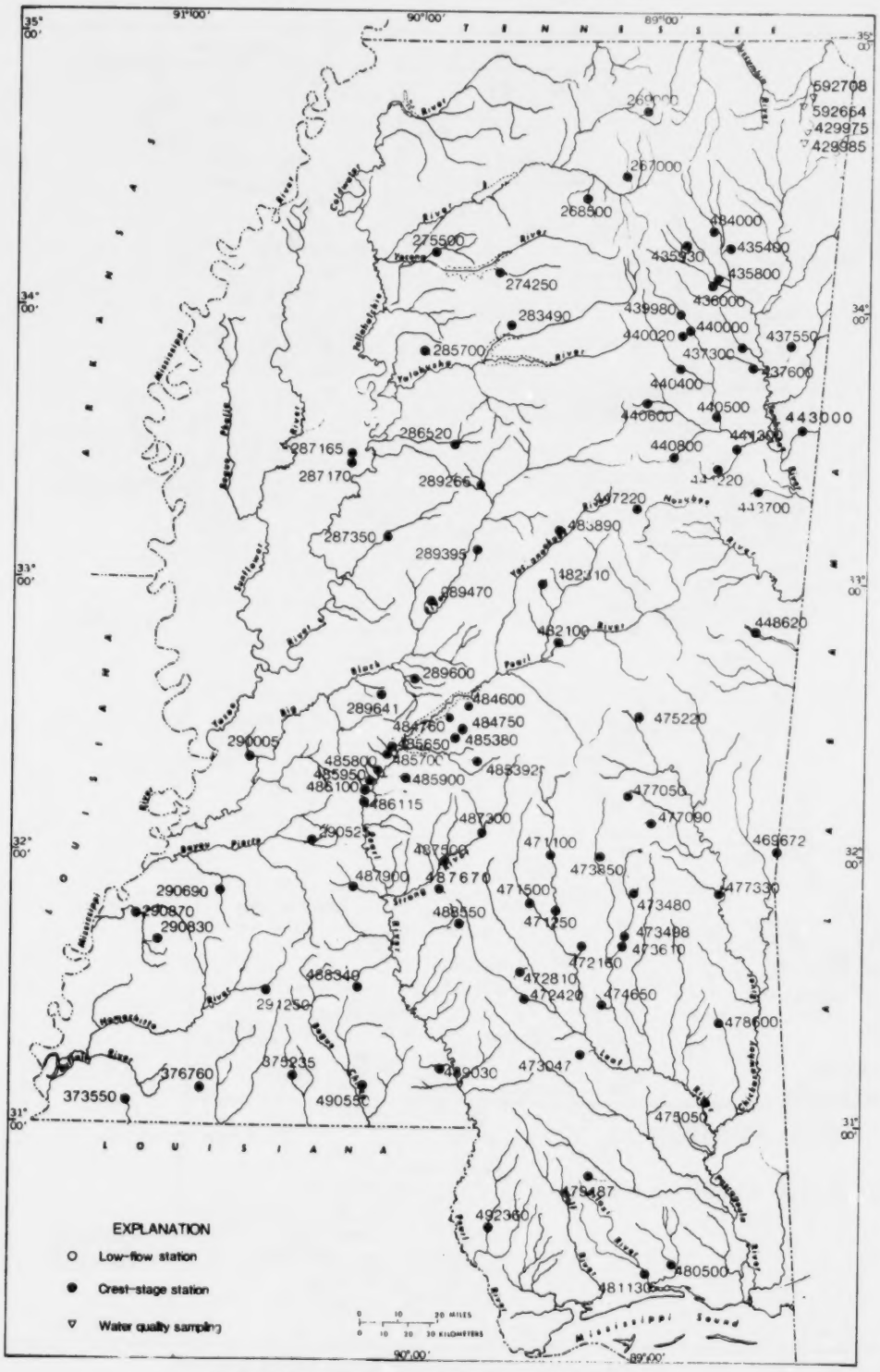

Figure 4.--Map showing location of partial record stations

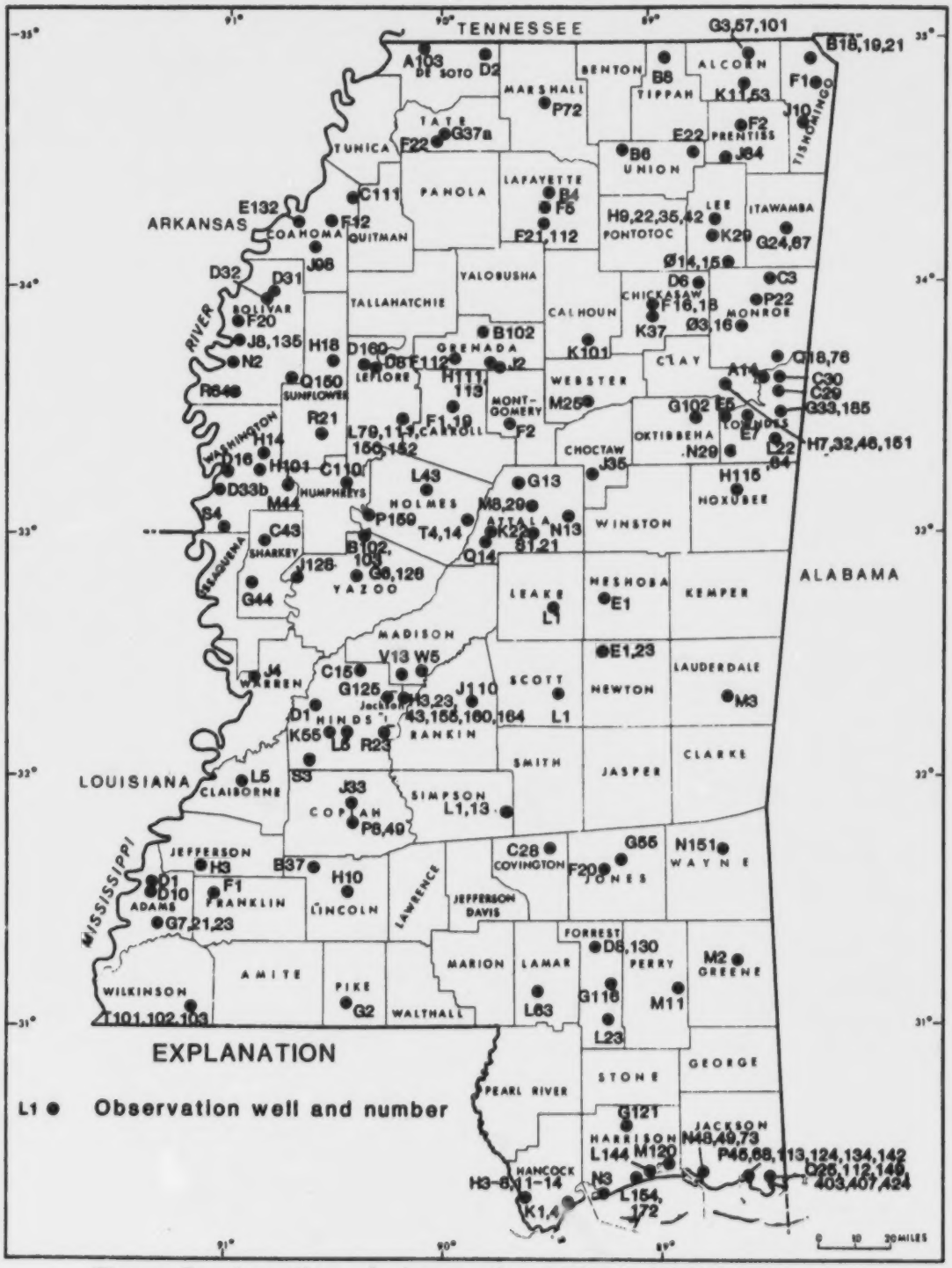

Figure 5.--Location of observation wells in Mississippi.

HYDROLOGIC-DATA STATION RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW¼NE¼ sec.27, T.5. S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, near left bank, on downstream side of bridge on county highway, 0.4 mi (0.6 km) downstream from State Highway 30, 2.0 mi (3.2 km) upstream from Martin Creek, and 7.3 mi (11.8 km) east of Booneville.

DRAINAGE AREA.--27.1 mi² (70.2 km²), revised.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 58-60, 72; annual maximum stages, water years 1953-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft or 99.535 m (corrected) National Geodetic Vertical Datum of 1929 (Tennessee Valley Authority bench mark). Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records poor to Feb. 1 and good thereafter. Doubtful or no gage height record Oct. 1 to Dec. 19 and Dec 24 to Jan 28.

AVERAGE DISCHARGE.--7 years, 57.9 ft³/s (1.640 m³/s), 29.01 in/yr (737 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s (110 m³/s) Apr. 17, 1970, gage height, 99.97 ft (30.471 m), site and datum then in use; minimum, 0.16 ft³/s (0.005 m³/s) Sept. 2, 3, 4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1600 ft³/s (45.3 m³/s) and maximum recorded (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 25	Unknown	Unknown		Unknown	
Dec. 23	1615	1640	46.4	17.49	5.331
Mar. 17	0930	2270	64.3	19.58	5.968
Mar. 20	1545	*2780	78.7	20.81	6.343
Mar. 28	0445	1950	55.2	18.64	5.681

Minimum discharge, 0.46 ft³/s (0.013 m³/s), Aug. 26, gage height, 3.51 ft (1.070 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	70	60	50	48	34	126	47	15	3.5	1.3	1.3
2	9.0	45	50	40	45	31	118	44	12	2.5	1.2	1.1
3	8.0	30	45	35	44	32	115	40	11	2.1	9.2	.91
4	12	25	42	70	42	36	105	37	9.6	1.8	7.3	.91
5	10	21	38	50	41	68	101	35	8.8	1.6	3.2	.85
6	9.0	18	35	40	42	39	81	32	8.0	1.5	2.4	1.4
7	8.0	16	32	60	38	358	62	30	7.2	1.5	1.7	.98
8	7.0	15	31	50	53	191	67	31	9.6	1.2	1.2	1.3
9	8.0	120	30	45	115	91	58	26	7.4	1.8	1.1	1.1
10	13	160	35	40	66	72	52	25	6.0	1.2	1.1	.85
11	10	70	32	120	55	58	66	24	4.8	1.1	.98	.85
12	9.0	45	65	80	51	129	359	24	3.8	.98	2.2	.79
13	8.0	35	175	60	47	82	458	24	3.3	.85	2.2	.68
14	7.6	30	78	50	45	61	308	22	3.2	.79	2.4	.98
15	7.4	25	60	45	50	55	156	21	2.9	.79	1.3	.91
16	7.2	22	67	40	56	239	112	43	2.2	.73	1.1	.73
17	7.0	30	57	50	43	1360	97	88	5.7	.68	.91	.73
18	6.8	25	50	100	41	287	225	57	3.9	.73	.79	.79
19	6.6	22	44	70	49	164	130	46	2.8	.68	.73	.79
20	8.0	20	42	50	56	1520	97	99	2.0	.68	.73	.73
21	6.4	22	39	45	46	666	80	40	1.6	.68	.68	.68
22	6.0	35	39	150	43	221	68	47	1.4	66	.63	.85
23	10	600	756	100	40	151	61	49	1.3	20	.54	.73
24	8.0	250	980	80	37	363	55	35	4.5	5.6	.54	1.1
25	7.0	800	300	65	35	165	59	29	5.4	3.3	.54	4.2
26	6.4	400	100	56	32	121	94	24	3.6	2.8	.50	2.9
27	6.0	150	70	50	40	122	60	20	3.0	3.6	.50	1.1
28	8.0	100	60	47	34	877	56	18	2.6	3.0	.73	5.4
29	80	80	50	44	31	263	82	16	2.4	1.9	23	12
30	45	70	70	82	---	198	54	23	6.3	1.6	3.3	10
31	37	---	60	68	---	146	---	18	---	1.4	1.7	---
TOTAL	391.4	3351	3592	1932	1365	8192	3562	1114	161.3	136.19	75.70	57.64
MEAN	12.6	112	116	62.3	47.1	264	119	35.9	5.38	4.39	2.44	1.92
MAX	80	800	980	150	115	1520	458	99	15	66	23	12
MIN	6.0	15	30	35	31	31	52	16	1.3	.68	.50	.68
CFSM	.47	4.13	4.28	2.30	1.74	9.74	4.39	1.33	.20	.16	.09	.07
IN.	.54	4.60	4.93	2.65	1.87	11.24	4.89	1.53	.22	.19	.10	.08

CAL YR 1979 TOTAL 30268.50 MEAN 82.9 MAX 1500 MIN 1.5 CFSM 3.06 IN 41.55
WTR YR 1980 TOTAL 23930.23 MEAN 65.4 MAX 1520 MIN .50 CFSM 2.41 IN 32.85

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

LOCATION.--Lat 34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on right bank at downstream side of bridge on State Highway 4, 1.8 mi (2.9 km) southwest of New Site, and 5.2 mi (8.4 km) upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

DRAINAGE AREA.--42.1 mi² (109 km²) combined drainage area of all channels.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft (95.293 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi (0.3 km) northwest of base gage.

REMARKS.--Records fair except those for periods of no gage height record on Little Brown Creek, June 14 to July 16, which are poor. Discharge computed by combining the flow of individually rated channels.

AVERAGE DISCHARGE.--7 years, 83.5 ft³/s (2.365 m³/s), 26.93 in/yr (684 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,600 ft³/s (130 m³/s) Mar. 20, 1980, gage height, 13.77 ft (4.197 m); minimum daily, 6.8 ft³/s (0.19 m³/s) Sept. 4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1600 ft³/s (45.3 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	0215	1650	46.7	Unknown		Mar. 20	2200	*4600	130	13.77	4.197
Mar. 17	1715	1630	46.2	12.48	3.804						

Minimum daily discharge, 7.6 ft³/s (0.22 m³/s), Aug. 23-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	73	73	60	77	46	113	66	31	24	12	10
2	25	55	62	54	66	46	98	61	28	15	11	9.6
3	25	44	55	55	64	45	89	55	25	13	18	10
4	32	39	52	112	60	49	81	51	24	11	21	10
5	28	37	54	67	51	94	71	48	22	11	14	9.5
6	24	35	51	55	55	70	68	45	21	10	13	9.3
7	23	34	46	65	51	370	64	43	20	10	11	9.1
8	21	34	42	66	52	389	80	43	20	10	11	9.1
9	21	225	39	54	206	172	68	40	20	10	10	8.5
10	35	346	38	49	136	123	59	38	19	10	9.9	8.4
11	27	110	38	154	91	93	55	38	19	9.8	9.6	8.3
12	23	73	80	99	77	214	398	37	19	10	11	8.3
13	21	62	245	78	70	178	515	37	18	9.9	13	8.3
14	19	54	112	66	63	116	335	36	18	9.5	11	8.2
15	19	49	75	57	62	91	177	35	17	9.3	12	7.9
16	19	46	63	62	89	223	120	90	20	9.3	10	7.7
17	19	50	51	100	69	1300	97	253	32	9.1	9.1	8.5
18	19	46	48	248	59	457	311	175	23	9.3	8.7	9.1
19	18	44	47	112	60	196	177	57	21	9.2	8.6	8.9
20	19	41	45	84	84	1780	118	100	19	9.3	8.1	8.8
21	21	43	42	78	69	1740	91	90	17	9.7	7.9	9.6
22	27	84	43	269	62	256	80	63	17	84	7.8	9.4
23	35	849	387	226	56	171	70	108	20	77	7.6	9.3
24	30	623	1130	126	51	452	65	67	56	20	7.6	13
25	30	938	332	95	49	215	72	54	31	15	7.6	15
26	28	649	145	82	46	146	203	48	17	17	7.9	13
27	28	189	115	73	45	132	104	40	14	18	8.3	10
28	34	147	80	65	45	1140	77	36	13	17	9.7	20
29	178	104	71	61	45	351	114	33	63	14	24	29
30	89	83	81	96	---	204	79	42	55	13	15	26
31	61	---	67	135	---	144	---	34	---	12	12	---
TOTAL	1025	5206	3809	3003	2010	11003	4049	1963	739	515.4	347.4	331.8
MEAN	33.1	174	123	96.9	69.3	355	135	63.3	24.6	16.6	11.2	11.1
MAX	178	938	1130	269	206	1780	515	253	63	84	24	29
MIN	18	34	38	49	45	45	55	33	13	9.1	7.6	7.7
CFSM	.78	4.12	2.92	2.30	1.64	8.41	3.20	1.50	.58	.39	.27	.26
IN.	.90	4.59	3.36	2.65	1.77	9.70	3.57	1.73	.65	.45	.31	.29

CAL YR 1979 TOTAL 39066.0 MEAN 107 MAX 1990 MIN 18 CFSM 2.54 IN 34.44
WTR YR 1980 TOTAL 34001.6 MEAN 92.9 MAX 1780 MIN 7.6 CFSM 2.20 IN 29.97

02429980 POLLARD MILL BRANCH NEAR PADEN, MS

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft (9.1 m) upstream from culvert on State Highway 30, 0.8 mi (1.3 km) east of Paden.

DRAINAGE AREA.--2.01 mi² (5.21 km²), revised.

PERIOD OF RECORD.--Annual maximums, water years 1967-72. October 1972 to current year.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 440 ft (134 m) from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 7.69 ft³/s (0.218 m³/s), 51.96 in/yr (1320 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 445 ft³/s (12.6 m³/s) Mar. 16, 1973, gage height, 5.65 ft (1.722 m), from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.1 ft³/s (0.059 m³/s) Aug. 27, 1980; minimum gage height, 2.36 ft (0.719 m) Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 332 ft³/s (9.40 m³/s) Mar. 20, gage height, 4.98 ft (1.518 m) from rating curve extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.1 ft³/s (0.059 m³/s) Aug. 27, gage height, 2.46 ft (0.750 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	15	6.0	6.0	6.0	5.0	9.1	6.0	4.2	3.8	3.1	3.0
2	4.6	11	5.5	5.5	6.0	5.0	8.4	6.0	4.2	3.4	3.0	3.0
3	4.6	9.0	5.0	8.4	6.0	5.0	7.8	5.5	4.2	3.4	9.0	3.0
4	9.1	8.0	5.0	8.4	5.5	6.0	7.2	5.5	4.2	3.4	7.0	2.7
5	5.0	7.0	5.0	6.0	5.5	8.4	7.2	5.5	4.2	3.4	5.0	3.0
6	4.2	6.6	5.0	5.5	6.0	5.5	6.6	5.5	4.6	3.4	4.5	3.0
7	4.2	6.6	5.0	7.2	5.5	25	6.6	5.5	4.6	3.8	4.0	3.0
8	4.2	7.2	4.6	6.0	7.8	11	8.4	5.0	4.6	3.4	3.7	3.0
9	5.5	34	4.6	5.5	12	7.2	6.6	5.0	4.6	3.4	3.5	2.7
10	6.6	22	4.2	5.5	6.6	6.6	6.0	5.0	4.6	3.4	3.3	3.0
11	4.6	11	4.2	11	6.6	6.0	11	4.6	4.2	3.4	3.2	3.0
12	4.2	9.1	9.8	6.6	6.0	13	25	4.6	4.2	3.0	3.5	2.7
13	4.2	8.4	18	6.6	5.5	7.8	35	4.6	4.2	3.0	3.5	2.7
14	3.8	7.8	7.2	6.0	6.0	6.0	17	5.0	4.2	3.0	3.3	2.7
15	4.2	7.2	6.0	6.0	6.6	6.0	11	4.6	4.2	3.0	3.8	2.7
16	3.8	7.2	5.5	9.1	7.2	20	9.1	11	4.6	3.0	3.4	2.7
17	4.2	7.8	5.0	9.1	5.5	55	7.8	30	4.2	3.0	3.4	3.0
18	4.2	7.2	4.6	18	5.5	15	11	7.8	4.2	3.0	3.2	3.0
19	4.0	7.2	5.0	8.4	6.6	11	7.8	7.8	4.2	3.0	3.2	3.0
20	3.8	6.6	5.0	7.2	6.6	139	7.2	8.4	4.2	3.4	3.0	3.0
21	3.6	7.2	11	7.2	6.6	40	7.2	5.5	3.8	3.8	2.7	3.4
22	4.0	14	12	20	6.0	16	6.6	9.8	4.2	34	2.7	3.0
23	6.0	64	32	9.1	5.5	12	6.6	7.2	4.2	4.2	2.7	3.0
24	5.0	17	41	7.2	5.0	29	6.6	6.0	4.6	2.7	2.7	3.8
25	4.5	56	12	7.2	5.0	11	11	5.5	4.2	7.8	2.7	3.8
26	4.3	16	8.4	6.6	5.0	9.8	9.8	4.6	4.2	4.6	2.7	3.4
27	5.0	9.8	7.2	6.6	5.0	14	7.2	4.6	3.8	4.0	2.7	3.4
28	7.2	9.1	6.6	7.2	4.6	70	7.2	4.2	3.8	3.7	4.6	6.6
29	11	6.6	6.6	6.0	4.6	18	7.8	4.6	8.4	3.5	4.6	7.8
30	4.6	6.0	7.8	9.8	---	13	6.6	4.2	4.6	3.3	3.0	6.6
31	5.0	---	6.0	7.8	---	9.8	---	4.2	---	3.2	3.0	---
TOTAL	154.2	411.6	270.8	246.7	176.3	606.1	292.4	203.3	132.2	140.4	113.7	102.7
MEAN	4.97	13.7	8.74	7.96	6.08	19.6	9.75	6.56	4.41	4.53	3.67	3.42
MAX	11	64	41	20	12	139	35	30	8.4	34	9.0	7.8
MIN	3.6	6.0	4.2	5.5	4.6	5.0	6.0	4.2	3.8	2.7	2.7	2.7
CFSM	2.47	6.82	4.35	3.96	3.03	9.75	4.85	3.26	2.19	2.25	1.83	1.70
IN.	2.85	7.61	5.01	4.56	3.26	11.21	5.41	3.76	2.45	2.60	2.10	1.90

CAL YR 1979 TOTAL 3366.0 MEAN 9.22 MAX 90 MIN 3.4 CFSM 4.59 IN 62.27
WTR YR 1980 TOTAL 2850.4 MEAN 7.79 MAX 139 MIN 2.7 CFSM 3.88 IN 52.73

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM

LOCATION.--Lat 34°30'44", long 88°19'34", in SW¼ sec.35, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank, 1.1 mi (1.77 km) downstream from bridge on State Highway 4, and 0.7 mi (1.1 km) downstream from Bay Springs Lock and Dam (under construction).

DRAINAGE AREA.--68.2 mi (177 km²).

PERIOD OF RECORD.--November 1979 to September 1980. Gage heights only.

GAGE.--Water-stage recorder. Datum of gage is 330.00 ft (100.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

EXTREMES FOR CURRENT PERIOD.--November 1979 to September 1980: Maximum gage height during period, 12.06 ft (3.676 m) Mar. 21; minimum, 1.01 ft (0.308 m) Sept. 19.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		3.22	3.13	3.01	3.30	2.52	7.61	3.22	2.18	2.31	1.65	1.30
2		2.94	2.93	2.82	2.88	2.70	4.56	3.18	2.08	1.87	1.60	1.24
3		2.42	2.79	2.75	2.80	2.61	3.80	2.92	1.99	1.68	1.68	1.19
4		2.20	2.68	3.82	2.78	2.64	3.67	2.74	1.93	1.62	2.36	1.18
5		2.06	2.60	3.45	2.69	3.64	3.37	2.71	1.94	1.58	2.05	1.16
6		1.94	2.66	2.99	2.74	3.33	3.27	2.70	1.87	1.53	1.83	1.25
7		1.87	2.78	3.00	2.61	4.85	3.20	2.60	1.84	1.48	1.67	1.19
8		1.87	2.70	3.10	2.70	7.86	3.25	2.72	1.78	1.42	1.57	1.16
9		3.27	2.57	2.79	4.54	7.28	3.38	2.62	1.76	1.45	1.50	1.15
10		6.51	2.64	2.63	4.28	4.37	3.09	2.50	1.69	1.54	1.48	1.11
11		5.16	2.49	3.42	3.47	3.52	3.05	2.41	1.68	1.48	1.46	1.08
12		3.46	2.84	3.93	3.10	4.42	6.41	2.43	1.62	1.38	1.41	1.06
13		2.94	4.78	3.27	2.92	4.76	7.73	2.43	1.59	1.30	1.44	1.08
14		2.63	4.80	2.98	2.79	3.70	8.17	2.36	1.65	1.28	1.43	1.10
15		2.40	3.61	2.80	2.80	3.18	8.04	2.29	1.78	1.25	1.44	1.08
16		2.32	3.15	2.76	3.22	3.75	7.18	3.16	2.00	1.19	1.45	1.05
17		2.25	2.86	3.63	2.93	8.54	4.85	5.54	1.98	1.17	1.39	1.12
18		2.14	2.58	4.65	2.73	9.59	4.92	7.85	2.00	1.16	1.36	1.27
19		2.12	2.49	4.68	2.73	9.36	4.84	7.40	1.96	1.15	1.33	1.17
20		2.08	2.38	3.68	3.18	9.71	3.92	5.23	1.94	1.14	1.26	1.16
21		2.14	2.37	3.23	3.03	11.94	3.55	4.03	1.93	1.18	1.24	1.19
22		2.48	2.38	4.33	2.84	11.92	3.31	3.81	1.86	2.40	1.21	1.23
23		6.95	3.83	5.70	2.65	11.45	3.15	5.06	1.85	5.95	1.16	1.21
24		9.41	7.69	4.26	2.54	11.05	3.01	3.83	2.14	6.03	1.16	1.32
25		9.56	9.07	3.62	2.47	10.35	3.18	3.26	2.34	2.70	1.18	1.69
26		10.46	7.38	3.29	2.35	9.12	5.04	2.94	2.01	3.15	1.16	1.77
27		9.48	4.15	3.14	2.31	7.74	4.10	2.66	1.79	2.74	1.11	1.45
28		7.57	3.52	2.92	2.34	8.78	3.50	2.47	1.69	2.69	1.12	1.92
29		4.15	3.24	2.78	2.40	9.59	4.08	2.39	1.67	2.20	1.65	3.05
30		3.45	3.39	3.04	---	9.43	3.62	2.38	2.91	1.91	1.61	3.15
31		---	3.21	4.15	---	8.99	---	2.26	---	1.76	1.40	---
MEAN		4.05	3.54	3.44	2.90	6.86	4.50	3.36	1.92	1.99	1.46	1.37
MAX		10.46	9.07	5.70	4.54	11.94	8.17	7.85	2.91	6.03	2.36	3.15
MIN		1.87	2.37	2.63	2.31	2.52	3.01	2.26	1.59	1.14	1.11	1.05

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to current year.
pH: November 1979 to current year.
WATER TEMPERATURE: November 1979 to current year.
TURBIDITY: November 1979 to current year.
DISSOLVED OXYGEN: November 1979 to current year.
SUSPENDED SEDIMENT CONCENTRATION: December 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1979. Automatic pumping sediment sampler since December 1979.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 100 micromhos July 28, Aug. 7; minimum, 30 micromhos Apr. 4.
pH: Maximum, 8.0 units May 8; minimum, 5.0 units on several days during year.
WATER TEMPERATURE: Maximum, 32.5°C July 15; minimum, 3.0°C Feb. 11, 17, 18.
TURBIDITY: Maximum, 900 NTU May 16, July 22; minimum, 1.1 NTU Feb. 14, 18.
DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 9; minimum, 5.4 mg/L June 20, July 7.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 451 mg/L Mar. 7; minimum daily mean, 1 mg/L Aug. 9.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT											
03...	0930	65	6.1	19.0	10	7.1	--	1.9	7	.1	.01
NOV											
15...	1130	61	5.5	9.0	15	10.5	2.2	--	9	--	.08
JAN											
16...	0930	48	6.0	10.0	2.5	10.8	--	--	17	--	--
FEB											
14...	0830	46	5.9	4.5	5.5	11.1	1.2	.9	18	.0	.06
MAR											
04...	1500	48	5.8	6.5	5.0	11.9	4.2	1.0	15	.0	.04
APR											
02...	1130	43	5.6	13.0	6.0	9.1	--	1.2	3	.1	--
JUN											
03...	0815	57	5.9	24.0	15	7.4	2.6	1.1	8	.1	.07
JUL											
09...	0930	68	7.0	27.5	10	6.6	--	1.6	19	.1	--
AUG											
04...	1000	85	6.9	25.5	18	7.1	2.3	2.5	15	.1	.07
SEP											
09...	1630	82	7.0	28.5	2.9	6.8	1.6	1.9	21	.1	.06

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT											
03...	.010	.02	.040	.05	.31	.35	.37	1.6	.020	.06	.000
NOV											
15...	.010	.09	.100	.12	.06	.16	.25	1.1	.030	.09	.010
JAN											
16...	--	.09	.020	.02	.05	.07	.16	.71	.020	.06	.000
FEB											
14...	.010	.07	.010	.01	.20	.21	.28	1.2	.010	.03	.010
MAR											
04...	.010	.05	.000	.00	.04	.04	.09	.40	.010	.03	.010
APR											
02...	--	.13	.040	.05	.31	.35	.48	2.1	.050	.15	.050
JUN											
03...	.000	.07	.050	.06	.10	.15	.22	.97	.030	.09	.010
JUL											
09...	--	.08	.060	.07	.16	.22	.30	1.3	.020	.06	.010
AUG											
04...	.000	.07	.020	.02	.00	.01	.08	.35	.030	.09	.000
SEP											
09...	.010	.07	.010	.01	.15	.16	.23	1.0	.000	.00	.000

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLOR (PLATINUM COBALT UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	SODIUM, DISSOLVED (MG/L AS NA)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT								
03...	30	15	K75	1.4	9.9	56	.08	1600
JAN								
16...	10	39	52	1.5	8.8	44	.06	1500
APR								
02...	40	6	46	1.2	6.3	33	.04	2800
JUL								
09...	20	6	170	2.0	12	63	.09	1700

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	PHENOLS (UG/L)
OCT							
03...	1300	340	240	20	220	<.5	1
JAN							
16...	1400	80	150	10	140	.1	0
APR							
02...	2800	20	260	40	220	.1	0
JUL							
09...	1400	320	310	100	210	.1	0

DATE	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
OCT										
03...	.00	.0	.00	.0	.00	.00	.00	--	.00	.00
JAN										
16...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00
APR										
02...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00
JUL										
09...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT									
03...	.00	--	.00	.00	.00	--	.00	--	--
JAN									
16...	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR									
02...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL									
09...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT									
03...	.00	--	.00	0	--	.00	.00	.00	.00
JAN									
16...	.00	.00	.00	0	.00	.00	.00	.00	.00
APR									
02...	.00	.00	.00	0	.00	.00	.00	.00	.00
JUL									
09...	.00	.00	.00	0	.00	.00	.00	.00	.00

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1				---	---	---	44	43	43	---	---	---
2				---	---	---	44	43	44	---	---	---
3				---	---	---	47	44	46	---	---	---
4				---	---	---	47	46	46	---	---	---
5				---	---	---	47	46	47	---	---	---
6				---	---	---	47	46	46	---	---	---
7				---	---	---	48	46	47	---	---	---
8				---	---	---	49	48	48	46	44	45
9				---	---	---	48	48	48	48	46	46
10				---	---	---	49	48	48	47	46	47
11				---	---	---	49	47	48	50	42	45
12				---	---	---	48	44	47	47	43	46
13				57	56	57	47	42	44	48	47	47
14				58	58	58	49	47	48	50	47	47
15				61	59	60	56	49	51	48	47	47
16				66	61	63	49	48	49	50	46	48
17				63	62	63	51	49	50	53	44	47
18				63	62	62	54	51	53	51	43	46
19				62	61	61	57	54	55	51	48	50
20				61	59	60	63	50	52	51	49	50
21				60	59	59	56	55	55	52	47	49
22				59	48	56	55	53	54	50	39	44
23				---	---	---	---	---	---	49	40	46
24				---	---	---	---	---	---	50	48	49
25				---	---	---	---	---	---	49	47	48
26				---	---	---	---	---	---	48	47	48
27				48	44	46	---	---	---	50	48	49
28				48	45	47	---	---	---	50	49	49
29				45	43	45	---	---	---	---	---	---
30				44	43	44	---	---	---	---	---	---
31				---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	49	48	48	---	---	---	46	46	46
2	---	---	---	50	48	49	---	---	---	46	46	46
3	---	---	---	49	48	49	---	---	---	47	46	47
4	---	---	---	49	47	48	45	30	38	48	45	46
5	---	---	---	48	40	46	41	38	40	48	47	48
6	---	---	---	61	48	53	40	38	40	50	47	48
7	54	46	49	55	39	47	46	40	41	48	47	48
8	50	43	47	48	38	42	40	39	40	70	47	51
9	45	41	43	55	48	52	43	40	41	53	49	50
10	46	45	46	60	51	55	46	42	44	50	49	50
11	46	44	46	56	51	53	48	42	43	50	49	49
12	46	45	45	54	43	48	42	33	37	66	49	51
13	51	45	47	49	44	48	40	37	39	55	50	51
14	46	45	46	56	49	51	38	35	36	51	50	51
15	47	46	46	51	50	51	47	40	44	53	50	51
16	47	46	46	---	---	---	46	44	46	55	43	49
17	49	47	48	---	---	---	48	46	47	52	37	44
18	49	49	49	---	---	---	46	40	42	---	---	---
19	49	48	49	---	---	---	44	41	43	---	---	---
20	48	47	48	---	---	---	44	43	44	---	---	---
21	53	40	49	---	---	---	44	43	43	---	---	---
22	48	47	48	---	---	---	44	43	43	---	---	---
23	48	47	47	---	---	---	44	43	44	53	49	51
24	50	48	49	---	---	---	45	43	45	55	52	54
25	50	49	49	---	---	---	55	43	46	56	55	56
26	50	48	49	---	---	---	45	39	42	60	56	57
27	50	49	49	---	---	---	44	43	44	60	56	57
28	49	48	49	---	---	---	53	44	48	56	52	55
29	50	48	49	---	---	---	---	---	---	56	55	55
30	---	---	---	---	---	---	---	---	---	59	55	56
31	---	---	---	---	---	---	---	---	---	56	55	56

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	56	54	55	66	64	65	97	95	96	85	82	83
2	57	55	56	67	65	66	99	96	97	92	83	85
3	59	56	57	67	65	66	99	89	96	85	83	84
4	59	58	59	68	66	67	93	82	88	88	83	85
5	68	58	61	70	68	68	96	92	94	84	82	83
6	69	60	62	71	69	70	95	93	94	84	81	82
7	64	61	63	72	71	72	100	93	96	83	81	82
8	63	61	62	74	72	73	97	95	96	85	82	83
9	---	---	---	81	69	74	97	95	96	84	81	82
10	---	---	---	82	75	78	96	93	95	84	83	84
11	---	---	---	77	75	75	96	93	94	86	83	84
12	---	---	---	77	75	76	94	91	92	85	83	84
13	63	62	63	76	76	76	96	91	94	85	83	84
14	64	62	63	78	76	77	96	91	92	86	85	85
15	65	63	64	78	77	78	92	90	91	86	85	86
16	---	---	---	79	78	79	91	89	89	87	85	86
17	---	---	---	80	78	79	91	90	90	92	82	88
18	64	63	63	80	80	80	94	89	91	92	82	87
19	64	62	63	81	79	80	90	87	89	85	83	84
20	68	62	65	81	78	80	92	89	89	94	81	85
21	68	62	65	---	---	---	89	88	89	84	82	83
22	65	64	64	---	---	---	89	88	89	82	81	82
23	65	64	64	---	---	---	90	89	89	94	78	86
24	69	59	62	71	63	66	90	87	88	83	78	80
25	62	56	59	73	67	70	91	88	90	97	78	84
26	64	62	63	79	66	71	89	87	88	79	76	77
27	65	63	64	83	79	82	89	86	88	83	79	81
28	65	64	65	100	84	91	89	88	89	90	75	82
29	67	64	65	98	93	94	92	82	84	89	74	82
30	64	53	58	97	93	93	86	82	85	86	73	77
31	---	---	---	96	92	93	85	83	84	---	---	---

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	5.5	5.4	---	---	---	---	6.1	6.1
2			---	---	5.6	5.5	---	---	---	---	6.1	6.0
3			---	---	5.6	5.5	---	---	---	---	6.1	6.0
4			---	---	5.6	5.6	---	---	---	---	6.1	6.1
5			---	---	5.7	5.6	---	---	---	---	6.1	5.1
6			---	---	5.7	5.7	---	---	---	---	6.1	5.2
7			---	---	5.8	5.7	---	---	5.9	5.8	6.0	5.4
8			---	---	5.8	5.7	5.8	5.8	6.1	5.8	5.7	5.5
9			---	---	5.8	5.7	5.9	5.8	5.8	5.7	5.7	5.6
10			---	---	5.8	5.5	5.9	5.8	5.8	5.7	5.8	5.6
11			---	---	5.9	5.8	6.0	5.8	5.8	5.8	5.9	5.7
12			---	---	5.9	5.9	5.8	5.8	5.9	5.8	6.0	5.7
13			5.6	5.5	6.0	5.7	5.9	5.8	5.9	5.8	5.8	5.8
14			5.6	5.5	5.8	5.7	5.9	5.8	5.9	5.9	5.9	5.8
15			5.6	5.5	5.9	5.8	5.9	5.8	6.0	5.9	6.0	5.8
16			5.6	5.5	5.9	5.8	6.1	5.9	5.9	5.9	6.0	5.8
17			5.6	5.5	5.9	5.8	6.0	5.8	5.9	5.9	---	---
18			5.6	5.5	5.8	5.8	6.0	5.8	5.9	5.9	---	---
19			5.6	5.5	5.9	5.8	5.9	5.8	6.0	5.9	---	---
20			5.6	5.5	5.9	5.0	5.9	5.9	6.0	5.9	---	---
21			5.6	5.6	5.9	5.9	6.1	5.9	6.0	5.9	---	---
22			5.6	5.3	6.0	5.9	5.9	5.7	6.1	6.0	---	---
23			---	---	---	---	5.7	5.7	6.1	6.0	---	---
24			---	---	---	---	5.8	5.7	6.1	6.1	---	---
25			---	---	---	---	5.8	5.8	6.1	6.1	---	---
26			---	---	---	---	5.8	5.8	6.1	6.0	---	---
27			5.2	5.1	---	---	5.8	5.8	6.1	6.0	---	---
28			5.3	5.0	---	---	5.8	5.0	6.2	6.1	---	---
29			5.4	5.3	---	---	---	---	6.2	6.1	---	---
30			5.4	5.4	---	---	---	---	---	---	---	---
31			---	---	---	---	---	---	---	---	---	---

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	6.0	6.0	6.4	6.3	6.2	6.0	6.9	6.7	7.0	7.0
2	---	---	6.0	6.0	6.4	6.3	6.2	6.1	6.9	6.9	7.1	7.0
3	---	---	6.2	6.1	6.4	6.3	6.2	6.1	6.9	6.9	7.1	7.0
4	5.8	5.0	6.3	6.1	6.5	6.3	6.3	6.1	6.9	6.8	7.0	7.0
5	5.8	5.0	6.3	6.2	6.5	6.4	6.3	6.2	6.9	6.8	7.0	7.0
6	5.8	5.0	6.5	6.2	6.5	6.4	6.3	6.1	6.9	6.9	7.0	7.0
7	5.1	5.0	6.3	6.2	6.5	6.5	6.2	6.2	6.9	6.9	7.0	7.0
8	5.2	5.1	8.0	6.0	6.6	6.5	6.3	6.1	6.9	6.9	7.0	7.0
9	6.0	5.1	6.5	6.2	---	---	6.2	6.1	7.0	6.9	7.0	7.0
10	6.1	5.1	6.4	6.3	---	---	6.3	6.2	7.1	7.0	7.0	7.0
11	6.3	5.1	6.4	6.3	---	---	6.4	6.2	7.0	7.0	7.1	7.0
12	5.8	5.0	6.7	6.3	---	---	6.4	6.2	7.0	6.9	7.1	7.0
13	5.7	5.6	6.8	6.3	6.6	6.6	6.4	6.2	7.0	6.9	7.1	7.0
14	5.6	5.5	6.4	6.3	6.7	6.6	7.2	6.2	7.0	6.9	7.1	7.0
15	5.6	5.5	6.5	6.3	6.7	6.6	7.1	7.0	7.0	7.0	7.1	7.0
16	5.6	5.4	6.4	5.7	---	---	7.1	7.0	7.0	7.0	7.1	7.0
17	5.8	5.7	6.2	5.7	---	---	7.1	7.0	7.0	7.0	7.5	7.0
18	5.9	5.7	---	---	6.6	6.6	7.1	7.0	7.0	7.0	7.7	7.0
19	5.9	5.8	---	---	6.6	6.6	7.2	7.1	7.0	6.8	7.1	7.0
20	5.9	5.8	---	---	6.6	6.6	7.2	7.1	7.1	7.0	7.2	6.9
21	6.0	5.9	---	---	6.6	6.5	---	---	7.0	7.0	7.0	7.0
22	6.1	5.9	---	---	6.7	6.5	---	---	7.1	7.0	7.0	7.0
23	6.1	6.0	6.0	5.9	6.7	6.6	---	---	7.1	7.0	7.2	6.2
24	6.2	6.0	6.1	6.0	6.8	6.5	6.3	6.3	7.0	7.0	6.9	6.9
25	6.2	5.9	6.2	6.1	6.7	6.5	6.6	6.3	7.0	7.0	7.0	6.8
26	6.0	5.9	6.3	6.2	6.7	6.6	6.6	6.5	7.0	7.0	7.0	6.9
27	6.0	6.0	6.3	6.2	6.7	6.6	6.6	6.6	7.0	6.9	7.1	7.0
28	6.0	5.9	6.3	6.0	6.7	6.6	6.6	6.5	7.0	7.0	7.1	6.8
29	---	---	6.3	6.2	6.7	6.6	6.7	6.6	7.2	6.8	6.8	6.6
30	---	---	6.4	6.3	6.6	6.3	6.7	6.6	7.0	7.0	6.8	6.6
31	---	---	6.4	6.3	---	---	6.8	6.6	7.0	7.0	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1				---	---	---	7.5	6.0	7.0	---	---	---
2				---	---	---	7.0	6.0	6.5	---	---	---
3				---	---	---	6.0	5.0	5.5	---	---	---
4				---	---	---	6.0	5.0	5.5	---	---	---
5				---	---	---	7.0	5.0	6.0	---	---	---
6				---	---	---	7.5	7.0	7.5	---	---	---
7				---	---	---	7.0	6.0	6.5	---	---	---
8				---	---	---	7.0	6.0	6.0	6.5	6.0	6.5
9				---	---	---	6.5	5.0	6.0	7.5	6.5	7.0
10				---	---	---	7.0	5.5	6.0	8.5	7.0	7.5
11				---	---	---	9.0	6.5	8.0	10.5	8.5	10.0
12				---	---	---	11.5	9.5	10.5	9.5	7.0	8.0
13				11.0	10.0	10.5	11.5	9.5	10.5	8.0	6.5	7.0
14				10.0	9.0	9.5	9.0	8.0	8.5	9.5	8.0	8.5
15				10.0	8.5	9.0	8.5	7.5	8.0	10.0	9.0	9.5
16				10.5	9.0	9.5	9.5	8.0	9.0	12.5	9.5	10.5
17				10.5	9.0	10.0	8.0	6.0	7.0	11.5	10.5	11.0
18				10.5	9.5	10.0	6.0	4.5	5.0	12.0	11.5	11.5
19				11.5	10.0	11.0	5.5	4.0	5.0	11.0	9.5	10.5
20				12.5	11.0	12.0	7.0	5.5	6.5	10.5	10.0	10.0
21				12.5	12.0	12.5	8.0	7.0	8.0	10.5	10.0	10.0
22				14.5	13.0	13.5	9.0	8.0	8.5	10.0	9.5	10.0
23				---	---	---	---	---	---	9.5	8.5	9.0
24				---	---	---	---	---	---	9.0	7.5	8.0
25				---	---	---	---	---	---	9.5	8.5	9.0
26				---	---	---	---	---	---	10.0	9.0	9.5
27				12.0	11.5	11.5	---	---	---	10.0	8.5	9.5
28				12.0	11.0	11.5	---	---	---	11.0	10.0	10.5
29				11.0	8.5	9.5	---	---	---	---	---	---
30				8.0	7.0	7.5	---	---	---	---	---	---
31				---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.5	5.0	7.5	---	---	---	17.5	17.0	17.5
2	---	---	---	5.5	3.5	4.5	---	---	---	17.5	17.0	17.5
3	---	---	---	5.5	3.5	4.5	---	---	---	19.5	18.5	19.0
4	---	---	---	7.5	5.5	6.5	16.0	15.0	15.5	19.5	18.0	18.5
5	---	---	---	8.5	8.0	8.0	15.0	13.5	14.5	19.5	18.5	19.0
6	---	---	---	9.0	6.5	8.0	15.0	13.5	14.5	20.5	18.5	19.5
7	4.5	3.5	4.0	11.0	9.0	10.0	17.0	14.5	15.5	21.0	19.5	20.0
8	4.5	4.0	4.0	13.0	11.0	12.0	18.0	10.0	14.0	21.0	19.5	20.0
9	4.5	4.0	4.0	13.5	12.0	12.5	17.5	16.0	16.5	20.0	18.5	19.5
10	4.0	3.5	3.5	13.5	11.5	12.5	17.0	15.0	16.0	20.0	18.0	19.0
11	4.0	3.0	3.5	13.5	11.5	12.0	16.5	15.0	15.5	21.0	19.0	20.0
12	4.5	3.5	4.0	11.5	10.0	10.5	14.5	14.0	14.5	21.5	20.0	20.5
13	5.5	3.5	4.5	11.0	10.5	11.0	14.0	12.0	13.0	22.0	20.5	21.0
14	6.5	4.5	5.5	11.0	9.5	10.5	12.0	11.0	11.0	21.5	20.0	21.0
15	7.5	6.0	6.5	12.0	10.0	11.0	12.5	10.5	11.5	20.5	19.5	20.0
16	7.5	5.0	6.5	---	---	---	13.0	12.0	12.0	20.5	19.5	20.0
17	4.5	3.0	4.0	---	---	---	15.0	12.5	14.0	21.0	20.0	20.5
18	5.0	3.0	4.0	---	---	---	17.0	14.5	15.5	---	---	---
19	6.0	5.0	5.5	---	---	---	17.5	15.5	16.5	---	---	---
20	8.5	6.0	7.5	---	---	---	18.0	16.0	17.0	---	---	---
21	10.0	8.5	9.5	---	---	---	18.5	17.0	18.0	---	---	---
22	12.5	10.0	11.0	---	---	---	19.0	16.0	17.5	---	---	---
23	13.0	11.5	12.0	---	---	---	20.5	19.5	20.0	23.0	20.0	21.5
24	13.0	11.0	12.0	---	---	---	21.0	19.0	20.5	21.5	20.0	21.0
25	11.5	9.0	10.5	---	---	---	20.5	19.0	20.0	22.5	21.5	22.0
26	8.5	7.0	7.5	---	---	---	19.0	18.0	18.5	23.5	22.0	22.5
27	9.0	6.5	7.5	---	---	---	18.0	17.0	17.5	23.5	22.0	22.5
28	11.0	8.0	9.5	---	---	---	17.0	16.0	16.5	24.5	22.0	23.0
29	11.0	9.5	10.5	---	---	---	17.0	16.0	16.5	25.0	23.0	24.0
30	---	---	---	---	---	---	17.5	16.0	17.0	25.0	23.0	24.0
31	---	---	---	---	---	---	---	---	---	24.5	23.0	23.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.0	23.0	24.0	28.5	26.5	27.5	29.5	27.0	28.0	28.5	25.5	27.0
2	26.0	24.0	24.5	29.5	27.0	28.0	29.5	27.0	28.0	29.0	26.0	27.0
3	26.5	24.5	25.5	30.0	28.0	29.0	28.0	26.0	27.0	28.5	25.5	26.5
4	26.5	24.5	26.0	30.0	27.5	28.5	27.5	25.5	26.5	28.5	25.5	27.0
5	27.5	25.5	26.0	30.5	27.5	29.0	27.5	26.5	27.0	28.0	25.5	27.0
6	27.5	25.5	26.5	31.0	28.0	29.0	28.5	26.5	27.0	28.5	25.5	27.0
7	28.0	25.5	26.5	30.0	28.0	29.0	30.0	27.0	28.5	29.0	26.0	27.0
8	27.0	25.5	26.5	30.5	28.0	29.0	30.0	27.5	28.5	28.0	25.0	26.5
9	---	---	---	31.0	27.5	29.0	30.0	27.5	28.5	28.5	25.0	27.0
10	---	---	---	31.0	28.5	29.5	30.0	27.5	28.5	28.0	25.0	26.5
11	---	---	---	31.5	28.5	30.0	30.0	27.5	28.5	27.0	24.0	25.5
12	---	---	---	32.0	28.5	30.0	30.0	27.5	28.5	25.0	23.0	24.0
13	24.5	22.5	24.0	31.5	28.0	30.0	30.0	27.0	28.5	28.0	24.5	26.0
14	25.0	22.0	23.5	32.0	28.5	30.0	30.0	27.5	28.5	28.0	25.0	26.5
15	26.0	23.0	24.5	32.5	29.0	30.5	30.0	27.0	28.5	27.5	24.5	26.0
16	---	---	---	32.0	29.0	30.5	30.0	27.5	28.5	27.5	24.0	25.5
17	---	---	---	32.0	28.5	30.0	30.5	27.5	29.0	26.5	24.5	25.5
18	26.0	24.0	25.0	29.5	28.5	29.0	30.5	27.5	29.0	26.0	23.5	25.0
19	26.0	24.5	25.0	31.0	28.0	29.5	30.5	27.5	29.0	26.0	23.0	24.5
20	26.0	24.0	25.0	30.5	28.0	29.0	30.5	27.5	29.0	26.0	24.0	25.0
21	26.0	24.0	25.0	---	---	---	30.5	27.5	29.0	27.0	25.0	26.0
22	26.5	24.0	25.0	---	---	---	29.0	26.5	28.0	28.0	25.5	26.5
23	26.0	24.5	25.0	---	---	---	28.5	25.5	27.0	26.5	24.5	25.5
24	26.0	24.5	25.0	27.0	26.0	26.5	28.5	25.5	27.0	25.0	24.5	24.5
25	27.0	24.5	25.5	27.0	25.5	26.0	29.0	25.5	27.0	24.5	24.0	24.0
26	27.5	25.0	26.5	26.0	25.5	26.0	28.5	25.5	27.0	24.0	22.5	23.5
27	28.5	25.5	27.0	26.5	25.5	26.0	27.5	25.0	26.5	22.0	20.5	21.5
28	29.0	26.0	27.5	27.5	25.5	26.5	27.5	25.0	26.0	20.5	20.0	20.0
29	27.5	25.5	27.0	27.5	26.0	26.5	27.0	24.5	25.5	20.5	20.0	20.0
30	25.5	24.5	25.0	28.5	26.0	27.0	27.5	25.5	26.0	20.0	20.0	20.0
31	---	---	---	29.5	26.5	28.0	28.0	25.5	26.5	---	---	---

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1				---	---	---	---	---	---	40	37	39
2				---	---	---	85	75	80	---	---	---
3				---	---	---	80	70	75	---	---	---
4				---	---	---	70	60	65	---	---	---
5				---	---	---	---	---	---	---	---	---
6				---	---	---	---	---	---	---	---	---
7				---	---	---	150	85	95	---	---	---
8				---	---	---	270	85	140	---	---	---
9				---	---	---	110	85	90	33	22	24
10				---	---	---	650	85	150	26	22	24
11				---	---	---	160	90	110	330	24	70
12				---	---	---	160	90	110	45	34	39
13				270	60	80	330	110	180	37	25	29
14				110	55	60	130	95	110	50	24	27
15				55	45	50	140	75	90	75	28	45
16				70	45	50	80	70	75	80	29	38
17				55	45	45	100	60	70	39	12	24
18				50	40	45	90	65	75	400	38	95
19				45	38	40	50	35	40	60	40	50
20				45	37	40	500	27	75	40	34	37
21				45	37	40	110	24	34	140	34	60
22				55	39	40	24	18	22	450	45	140
23				---	---	---	500	12	140	160	7.6	60
24				---	---	---	600	70	75	85	17	75
25				---	---	---	70	55	60	80	65	70
26				---	---	---	130	60	65	110	65	75
27				---	---	---	85	55	65	80	65	70
28				---	---	---	80	55	60	---	---	---
29				---	---	---	65	55	55	---	---	---
30				---	---	---	60	40	50	---	---	---
31				---	---	---	45	39	40	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	23	16	20	---	---	---	28	18	23
2	---	---	---	30	16	20	---	---	---	55	20	25
3	---	---	---	21	9.8	14	---	---	---	24	17	21
4	---	---	---	290	5.4	32	90	45	50	24	21	23
5	---	---	---	220	34	55	70	45	50	26	18	22
6	38	27	32	45	27	37	170	39	50	40	22	27
7	35	20	28	650	25	150	45	36	39	29	21	25
8	280	15	75	140	4.3	80	60	38	45	110	23	45
9	80	8.7	40	70	60	65	45	34	39	39	21	25
10	28	11	16	150	70	80	60	31	40	28	14	22
11	26	6.5	11	85	20	60	400	29	80	22	20	21
12	18	4.3	9.5	330	20	110	400	15	120	28	20	23
13	70	4.3	12	60	40	50	170	60	85	27	22	24
14	13	1.1	5.1	500	33	55	60	50	55	220	23	65
15	25	2.2	11	340	31	65	70	45	50	230	27	60
16	39	7.6	19	750	20	200	250	50	60	900	26	160
17	29	4.3	13	450	130	200	55	39	45	750	70	200
18	33	1.1	12	---	---	---	270	39	65	130	60	85
19	55	25	33	---	---	---	55	30	37	100	60	75
20	33	27	29	---	---	---	35	28	32	110	75	85
21	70	11	23	---	---	---	70	24	30	80	70	75
22	21	8.7	12	---	---	---	65	24	33	---	---	---
23	14	11	13	---	---	---	80	24	37	100	50	60
24	18	12	14	---	---	---	55	26	35	55	45	45
25	17	14	16	---	---	---	360	24	100	45	38	45
26	20	16	17	---	---	---	150	38	60	65	37	45
27	17	9.8	14	---	---	---	37	25	30	60	37	40
28	15	8.7	12	---	---	---	190	23	55	39	26	30
29	55	12	22	---	---	---	80	35	45	60	26	36
30	---	---	---	---	---	---	40	22	29	70	40	45
31	---	---	---	---	---	---	---	---	---	45	40	40

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	50	40	45	95	23	33	290	17	45	24	15	18
2	50	45	45	26	18	23	29	17	23	120	15	30
3	170	40	80	26	17	22	70	17	32	31	15	21
4	120	40	75	25	17	21	45	31	39	50	15	23
5	100	39	45	24	18	21	35	22	30	33	14	23
6	28	24	26	26	17	21	110	25	31	55	14	23
7	29	24	26	31	18	22	34	26	29	21	12	16
8	50	21	25	26	3.3	17	29	14	23	40	12	21
9	---	---	---	50	6.5	28	75	12	21	45	13	22
10	---	---	---	36	16	27	22	13	17	35	13	20
11	---	---	---	40	16	20	24	12	17	34	12	18
12	---	---	---	27	15	19	60	18	24	28	13	19
13	---	---	---	22	15	18	36	21	26	21	13	17
14	26	21	23	60	13	20	28	21	24	21	13	17
15	35	24	27	23	15	18	26	21	23	40	13	22
16	550	25	110	27	15	20	55	18	24	50	13	24
17	110	30	55	27	16	21	25	20	22	180	14	37
18	55	29	38	25	16	19	34	20	24	40	15	25
19	37	28	33	24	16	20	270	12	31	120	14	23
20	45	30	36	25	17	20	33	8.7	16	200	15	55
21	110	29	40	230	17	40	25	7.6	15	33	15	21
22	35	24	29	900	29	160	55	13	18	27	18	23
23	34	22	26	---	---	---	26	12	16	700	17	120
24	290	23	70	---	---	---	18	12	15	65	45	50
25	65	28	40	65	37	50	55	13	21	400	36	85
26	37	24	29	60	38	50	23	15	18	40	22	30
27	35	22	28	45	31	36	70	15	24	150	22	32
28	35	22	28	40	27	34	75	14	25	230	25	100
29	120	22	34	31	21	26	400	29	65	210	70	100
30	110	33	60	70	16	24	26	15	22	220	39	65
31	---	---	---	750	16	110	24	15	18	---	---	---

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1				---	---	---	9.0	7.5	8.4	---	---	---
2				---	---	---	7.9	7.3	7.7	---	---	---
3				---	---	---	8.3	7.6	7.9	---	---	---
4				---	---	---	11.6	7.5	9.4	---	---	---
5				---	---	---	11.4	11.0	11.2	---	---	---
6				---	---	---	10.9	10.4	10.5	---	---	---
7				---	---	---	10.9	10.5	10.7	---	---	---
8				---	---	---	11.0	10.6	10.9	12.1	10.3	11.5
9				---	---	---	11.2	10.7	11.0	12.8	11.9	12.2
10				---	---	---	11.9	10.4	11.3	12.3	11.6	11.9
11				---	---	---	11.6	10.5	11.1	11.6	10.7	11.1
12				---	---	---	10.5	8.0	9.6	11.6	10.8	11.3
13				10.1	8.4	9.9	10.2	7.3	9.0	11.6	11.2	11.4
14				10.4	10.0	10.3	11.9	10.3	11.4	11.2	10.8	11.1
15				10.6	10.2	10.4	11.3	9.1	10.1	11.0	10.7	10.8
16				10.5	10.0	10.3	9.1	8.7	8.9	10.9	10.5	10.7
17				10.2	9.9	10.1	8.9	8.5	8.8	10.5	10.1	10.2
18				10.1	9.7	9.9	11.6	8.6	9.9	10.2	9.7	10.0
19				9.7	9.3	9.6	11.6	11.2	11.4	10.6	10.2	10.4
20				9.3	8.7	9.0	12.6	10.0	11.7	10.7	10.5	10.6
21				8.8	8.0	8.4	12.2	10.1	11.1	10.6	10.4	10.5
22				8.0	7.2	7.6	11.2	10.7	11.0	10.4	10.1	10.2
23				---	---	---	---	---	---	10.4	10.1	10.2
24				---	---	---	---	---	---	10.8	10.4	10.5
25				---	---	---	---	---	---	10.6	10.5	10.6
26				---	---	---	---	---	---	10.6	10.3	10.4
27				8.7	6.3	7.3	---	---	---	10.6	10.3	10.4
28				9.2	6.1	7.4	---	---	---	10.8	10.4	10.6
29				11.0	6.8	9.2	---	---	---	---	---	---
30				11.2	9.1	10.6	---	---	---	---	---	---
31				---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	11.2	9.7	10.5	---	---	---	9.1	8.9	9.0
2	---	---	---	11.7	11.3	11.6	---	---	---	8.9	8.6	8.8
3	---	---	---	11.8	11.3	11.6	---	---	---	8.6	8.3	8.5
4	---	---	---	11.4	10.9	11.1	9.3	9.2	9.3	8.4	8.0	8.2
5	---	---	---	10.8	10.5	10.6	11.2	9.2	10.3	8.1	7.8	8.0
6	---	---	---	10.9	10.4	10.7	11.1	9.0	9.9	7.8	7.4	7.7
7	12.2	11.7	11.9	10.5	9.2	9.9	10.7	9.0	9.9	7.6	7.0	7.4
8	11.9	10.0	11.2	9.1	8.5	8.9	10.0	9.6	9.8	7.3	6.8	7.1
9	11.6	10.9	11.2	8.6	8.3	8.5	10.0	9.6	9.9	9.0	6.9	8.0
10	11.3	11.0	11.1	9.0	8.1	8.6	10.0	9.6	9.8	9.0	8.5	8.7
11	11.4	11.1	11.3	9.2	8.7	9.0	9.8	9.5	9.7	8.4	8.0	8.2
12	11.3	11.1	11.2	9.9	9.2	9.6	9.8	7.3	9.3	8.0	7.6	7.8
13	11.3	11.0	11.2	10.6	7.9	9.9	9.3	7.3	9.0	7.7	7.3	7.5
14	11.2	10.7	11.0	10.9	10.5	10.7	9.3	7.3	8.9	8.3	6.9	7.5
15	10.7	10.4	10.6	10.8	10.3	10.6	9.0	7.1	7.3	8.2	7.9	8.1
16	10.8	10.3	10.5	---	---	---	9.7	7.0	7.8	7.9	7.1	7.5
17	11.3	10.7	11.1	---	---	---	9.8	9.4	9.6	7.1	6.2	6.8
18	11.4	11.0	11.1	---	---	---	9.5	9.0	9.3	---	---	---
19	10.9	10.5	10.7	---	---	---	9.0	8.7	8.9	---	---	---
20	10.6	9.7	10.2	---	---	---	8.7	8.3	8.6	---	---	---
21	10.9	9.4	10.0	---	---	---	8.3	7.9	8.1	---	---	---
22	10.8	9.6	10.4	---	---	---	7.9	7.7	7.8	---	---	---
23	10.2	9.6	9.9	---	---	---	8.8	6.0	8.0	7.8	7.2	7.4
24	9.9	9.4	9.7	---	---	---	8.7	8.3	8.5	7.3	7.0	7.2
25	10.5	9.6	10.1	---	---	---	8.6	8.2	8.3	6.9	6.5	6.7
26	11.7	10.6	11.2	---	---	---	8.3	8.0	8.2	6.5	6.1	6.3
27	11.9	10.7	11.2	---	---	---	8.4	8.0	8.2	6.1	5.7	5.9
28	10.8	9.9	10.4	---	---	---	8.3	7.8	8.1	---	---	---
29	10.1	9.7	9.9	---	---	---	7.8	7.1	7.5	---	---	---
30	---	---	---	---	---	---	7.2	6.5	6.9	7.1	6.9	7.0
31	---	---	---	---	---	---	---	---	---	7.0	6.5	6.7

	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.5	6.1	6.3	6.7	6.4	6.6	6.6	6.3	6.4	6.8	6.5	6.7
2	6.1	5.6	5.9	6.5	6.0	6.3	6.5	6.3	6.4	6.8	6.5	6.6
3	7.5	5.5	6.6	6.5	6.0	6.3	6.6	6.4	6.5	6.9	6.5	6.7
4	7.3	6.8	6.9	6.4	5.9	6.2	6.8	6.6	6.7	6.8	6.5	6.7
5	6.9	6.5	6.7	6.2	5.8	6.0	6.8	6.6	6.7	6.8	6.5	6.6
6	7.0	6.4	6.6	6.1	5.6	5.9	6.8	6.5	6.6	6.7	6.4	6.6
7	6.8	6.3	6.6	6.4	5.4	6.0	6.7	6.4	6.5	6.6	6.4	6.5
8	6.7	6.2	6.5	6.8	5.8	6.3	6.7	6.3	6.5	6.7	6.4	6.6
9	---	---	---	6.9	6.5	6.7	6.6	6.3	6.4	6.7	6.4	6.6
10	---	---	---	7.0	6.5	6.7	6.7	6.3	6.4	6.8	6.5	6.7
11	---	---	---	6.9	6.4	6.7	6.8	6.3	6.5	7.1	6.6	6.9
12	---	---	---	6.9	6.4	6.6	6.7	6.4	6.5	7.1	6.9	7.0
13	8.0	7.7	7.8	6.9	6.3	6.6	6.7	6.4	6.5	6.9	6.5	6.7
14	7.8	7.2	7.6	6.9	6.3	6.5	6.7	6.4	6.5	6.8	6.4	6.6
15	7.3	6.8	7.1	6.9	6.2	6.5	6.7	6.3	6.5	6.9	6.4	6.6
16	---	---	---	6.8	6.1	6.4	6.7	6.3	6.5	6.9	6.5	6.7
17	---	---	---	6.8	6.1	6.4	6.6	6.3	6.4	6.9	6.5	6.7
18	6.3	5.9	6.1	6.5	6.2	6.3	6.6	6.2	6.4	7.1	6.7	6.9
19	6.1	5.9	6.0	7.0	6.2	6.6	6.7	6.3	6.4	7.2	6.8	7.0
20	5.9	5.4	5.7	6.9	6.3	6.6	6.8	6.3	6.5	6.8	6.6	6.8
21	---	---	---	---	---	---	6.7	6.3	6.5	6.7	6.4	6.6
22	---	---	---	---	---	---	6.9	6.3	6.6	6.6	6.3	6.5
23	7.1	7.0	7.1	---	---	---	7.0	6.6	6.8	6.7	6.3	6.5
24	7.1	6.8	7.0	---	---	---	7.0	6.6	6.8	6.6	6.4	6.6
25	7.0	6.5	6.8	6.5	5.8	6.3	6.9	6.6	6.8	7.6	7.5	7.5
26	6.8	6.3	6.6	6.7	6.5	6.6	7.0	6.6	6.8	7.9	7.5	7.7
27	6.5	6.0	6.3	6.7	6.6	6.7	7.0	6.7	6.8	8.3	7.9	8.2
28	6.2	5.9	6.1	6.8	6.6	6.7	7.0	6.7	6.9	8.5	8.3	8.4
29	6.0	5.6	5.8	6.7	6.5	6.6	6.9	6.7	6.8	8.3	8.0	8.1
30	6.9	6.7	6.8	6.6	6.4	6.5	6.9	6.7	6.8	8.1	8.0	8.0
31	---	---	---	6.4	6.3	6.4	6.8	6.6	6.7	---	---	---

02430012 MACKEYS CREEK BL BAY SPRINGS LOCK AND DAM, MS--Continued

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	---	---	13	---	24	26	23	16	7
2			---	---	---	20	---	25	20	23	18	55
3			---	---	---	18	---	23	20	17	19	4
4			---	---	---	38	59	20	38	18	18	11
5			---	---	---	42	38	18	50	27	19	15
6			---	---	---	23	28	21	63	16	12	12
7			25	42	211	451	21	20	63	14	13	16
8			---	23	27	133	19	29	61	17	13	15
9			---	---	30	49	18	35	27	11	1	19
10			14	---	21	62	15	24	24	11	20	20
11			---	---	18	41	55	19	20	12	28	18
12			---	---	20	35	138	20	35	13	25	18
13			20	---	11	30	58	20	24	5	19	22
14			---	---	8	34	37	27	20	8	23	22
15			---	17	7	22	39	24	21	8	35	19
16			---	23	6	369	98	110	18	18	31	32
17			---	50	5	205	69	253	23	5	27	15
18			33	25	5	184	79	65	23	5	23	28
19			---	37	34	160	33	41	27	8	21	40
20			55	---	5	---	26	57	17	6	47	28
21			51	---	7	---	19	36	18	5	30	46
22			---	---	13	---	17	164	15	316	26	13
23			---	---	12	---	26	164	23	155	---	13
24			---	---	6	143	105	59	25	51	---	29
25			---	23	2	126	65	43	28	52	---	27
26			---	---	4	90	58	37	29	37	---	22
27			---	---	7	---	34	38	25	29	19	20
28			---	---	7	99	26	29	18	24	16	24
29			---	---	9	76	33	35	25	21	13	43
30			---	---	---	78	29	22	23	16	14	---
31			---	---	---	---	---	41	---	17	18	---

02430038 ROCK CREEK NEAR BELMONT, MS

LOCATION.--Lat 34°31'00", long 88°16'17" in NW¼ sec.32, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on the left bank at upstream side of bridge on county road, 1.0 mi (1.6 km) northwest of Fairview Church, 3.6 mi (5.8 km) west of Belmont.

DRAINAGE AREA.--8.98 mi² (23.26 km²), revised.

PERIOD OF RECORD.--Occasional low-flow measurements made in 1972 and 1974. June 1975 to Sept. 1980 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years, 17.5 ft³/s (0.496 m³/s), 26.46 in/yr (672 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,900 ft³/s (53.8 ft³/s) May 8, 1978, gage height, 13.40 ft (4.084 m) from floodmark, from rating extended above 630 ft³/s (17.8 m³/s) on basis of slope-conveyance computation; minimum, 0.50 ft³/s (0.014 m³/s) Sept. 2, 3, 4, 1977, gage height, 3.97 ft (1.210 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft³/s (32.8 m³/s) Mar. 20, gage height, 10.45 ft (3.185 m), from rating extended above 630 ft³/s (17.8 m³/s) on basis of slope-conveyance computations; minimum daily discharge, 1.6 ft³/s (0.045 m³/s) Aug. 14, 19, 23, minimum gage height, 4.23 ft (1.289 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	11	15	13	17	12	27	14	6.4	3.8	2.3	2.3
2	2.6	8.9	13	12	15	11	24	13	6.4	3.5	2.3	2.2
3	2.5	7.2	12	14	15	11	22	11	5.9	3.3	2.3	2.2
4	4.0	6.4	11	20	13	13	21	10	5.7	3.2	3.0	2.2
5	3.2	6.4	11	15	13	24	25	9.2	5.4	3.0	2.5	2.2
6	2.8	6.1	11	13	13	16	20	8.7	5.2	2.8	2.5	2.2
7	2.6	5.7	9.6	16	11	188	18	8.2	5.2	2.8	3.3	2.2
8	2.5	6.1	8.2	14	19	82	20	8.2	5.0	3.0	2.8	2.1
9	2.6	45	8.2	13	32	36	16	7.3	4.7	2.8	2.1	2.1
10	6.0	36	8.2	12	25	26	15	6.9	4.5	2.8	1.8	1.9
11	4.0	17	7.8	19	22	20	25	6.4	4.0	2.6	1.7	1.8
12	3.3	14	8.7	14	19	50	103	6.4	3.8	2.5	1.7	1.8
13	3.0	11	20	13	17	31	146	6.4	3.8	2.5	1.7	1.8
14	2.7	9.8	12	12	16	24	74	6.2	3.8	2.1	1.6	1.8
15	2.5	8.9	11	12	18	20	38	5.9	3.7	1.8	1.8	1.7
16	2.4	8.4	10	12	18	113	26	19	4.0	1.8	1.7	1.7
17	2.4	7.6	8.7	15	15	336	20	152	4.7	1.8	1.7	1.7
18	2.5	7.2	8.7	32	14	74	29	37	4.2	1.8	1.7	1.9
19	2.7	6.8	8.7	20	17	42	24	25	4.0	1.7	1.6	2.2
20	8.0	6.8	8.2	17	18	486	20	29	4.2	1.8	1.7	3.0
21	3.0	6.4	8.2	17	16	156	17	18	3.8	2.3	1.7	4.2
22	4.0	14	8.2	60	15	84	15	32	3.8	128	1.7	4.0
23	9.0	231	31	39	13	84	14	35	4.0	11	1.6	3.8
24	6.0	60	117	27	13	97	13	22	5.2	4.5	1.7	5.0
25	5.0	224	37	22	12	60	22	17	4.7	3.8	1.8	10
26	4.5	79	25	20	11	29	26	13	4.0	3.7	1.7	6.0
27	5.0	36	20	17	11	49	18	11	3.7	4.2	1.8	4.0
28	8.0	27	17	15	11	342	18	9.2	3.5	3.5	1.9	7.0
29	18	20	16	15	10	68	23	8.7	7.8	3.0	4.0	25
30	9.0	17	18	24	---	46	16	7.8	5.2	2.6	3.2	12
31	9.4	---	15	22	---	33	---	7.3	---	2.5	2.6	---
TOTAL	141.9	950.7	523.4	586	459	2663	895	570.8	140.8	220.5	65.5	122.0
MEAN	4.58	31.7	16.9	18.9	15.8	85.9	29.8	18.4	4.69	7.11	2.11	4.07
MAX	18	231	117	60	32	486	146	152	7.8	128	4.0	25
MIN	2.4	5.7	7.8	12	10	11	13	5.9	3.5	1.7	1.6	1.7
CFSM	.51	3.53	1.88	2.11	1.76	9.57	3.32	2.05	.52	.79	.24	.45
IN.	.59	3.94	2.17	2.43	1.90	11.03	3.71	2.36	.58	.91	.27	.51

CAL YR 1979 TOTAL 7130.6 MEAN 19.5 MAX 500 MIN 1.9 CFSM 2.17 IN 29.54
WTR YR 1980 TOTAL 7338.6 MEAN 20.1 MAX 486 MIN 1.6 CFSM 2.24 IN 30.40

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°28'00", long 88°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on county road, 0.18 mi (0.29 km) south of intersection of county road and blacktop road, 2.7 mi (4.3 km) east-southeast of Moores Mill, and 5.6 mi (9.0 km) southwest of Belmont.

DRAINAGE AREA.--15.7 mi² (40.7 km²), revised.

PERIOD OF RECORD.--June 1975 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 360 ft (110 m), from topographic map.

REMARKS.--Records good, except those for Mar. 6 to Sept. 3, which are fair.

AVERAGE DISCHARGE.--5 years, 26.5 ft³/s (0.750 m³/s), 22.92 in/yr (582 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft³/s (27.9 m³/s) Mar. 4, 1977, gage height, 11.16 ft (3.402 m); minimum, 2.0 ft³/s (0.057 m³/s) part of each day Aug. 20-25, Aug. 28-30, Sept. 1-3, 1978, gage height, 3.39 ft (1.033 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of conveyance computation at 12.6 ft (3.84 m):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	1315	440	12.4	9.40	2.865
Nov. 25	1500	576	16.3	10.10	3.078
Mar. 17	Unknown	Unknown		Unknown	
Mar. 20	Unknown	*749	21.2	a10.67	3.252
Mar. 28	Unknown	Unknown		Unknown	

Minimum daily discharge, 2.6 ft³/s (0.074 m³/s) occurred during period of missing record.

a From floodmark

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	25	28	25	29	20	56	29	14	6.0	3.5	3.7
2	7.8	19	25	23	27	19	50	25	13	5.4	3.5	3.5
3	7.2	15	23	25	26	19	45	22	12	5.0	4.0	3.5
4	15	14	22	39	24	20	40	20	11	4.7	4.5	3.5
5	10	13	22	27	24	38	50	18	11	4.6	4.0	3.2
6	8.1	13	22	25	23	24	40	17	10	4.5	4.0	3.4
7	7.2	12	20	29	21	250	40	16	11	4.5	5.0	3.1
8	6.7	13	18	26	31	100	45	20	10	5.0	4.5	3.1
9	6.7	81	18	25	64	50	40	16	9.0	4.5	3.5	3.1
10	11	77	18	23	42	40	35	14	8.6	4.3	3.0	2.7
11	7.8	36	18	36	34	35	60	12	8.0	4.0	2.8	2.7
12	6.5	27	18	27	29	70	200	13	7.6	3.8	2.7	2.7
13	5.7	22	44	26	27	50	300	13	7.4	4.0	2.7	2.6
14	5.3	19	27	25	26	40	120	13	7.2	3.5	2.6	2.6
15	5.5	18	23	24	32	35	70	12	7.0	3.3	3.0	2.6
16	5.7	17	22	22	27	100	50	25	7.4	3.0	2.7	2.5
17	5.7	16	19	23	25	500	45	200	9.0	2.9	2.7	3.0
18	5.7	15	18	56	23	100	60	80	8.0	2.8	2.6	3.1
19	5.9	15	18	32	22	80	45	50	7.2	2.7	2.6	2.8
20	6.1	14	18	28	30	600	40	60	8.0	3.0	2.8	3.4
21	6.9	14	18	29	25	200	35	35	7.4	6.0	2.8	4.0
22	13	30	18	91	23	100	32	70	7.0	150	2.7	3.5
23	15	308	50	64	21	80	30	90	7.0	20	2.6	3.2
24	9.6	107	140	44	19	150	28	45	10	7.0	2.7	3.4
25	9.1	294	63	37	18	90	45	32	8.0	6.0	3.0	4.8
26	8.6	112	42	33	18	70	50	25	7.0	6.0	2.8	4.6
27	8.3	56	34	29	18	100	35	22	6.4	7.0	2.9	3.7
28	15	46	29	27	18	400	35	19	6.0	5.0	3.0	11
29	50	36	28	25	17	150	45	17	15	4.5	8.0	15
30	23	31	32	38	---	90	33	16	7.0	4.0	5.0	14
31	20	---	27	41	---	66	---	15	---	3.8	4.0	---
TOTAL	326.9	1515	922	1024	763	3686	1799	1061	267.2	300.8	106.2	128.0
MEAN	10.5	50.5	29.7	33.0	26.3	119	60.0	34.2	8.91	9.70	3.43	4.27
MAX	50	308	140	91	64	600	300	200	15	150	8.0	15
MIN	5.3	12	18	22	17	19	28	12	6.0	2.7	2.6	2.5
CFSM	.67	3.22	1.89	2.10	1.68	7.58	3.82	2.18	.57	.62	.22	.27
IN.	.77	3.59	2.18	2.43	1.81	8.73	4.26	2.51	.63	.71	.25	.30

CAL YR 1979 TOTAL 12215.1 MEAN 33.5 MAX 546 MIN 4.3 CFSM 2.13 IN 28.94
WTR YR 1980 TOTAL 11899.1 MEAN 32.5 MAX 600 MIN 2.5 CFSM 2.07 IN 28.19

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi (4.8 km) northwest of Fairview and 8.8 mi (14.2 km) north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-78-1: 1976(P), 1977(P).

GAGE.--Water-stage recorder. Altitude of gage is 313 ft (95 m) from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 18.1 ft³/s (0.513 m³/s), 22.14 in/yr (562 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683 ft³/s (19.3 m³/s) Apr. 4, 1977, gage height, 9.37 ft (2.856 m), Sept. 25, 1977, minimum 2.3 ft³/s (0.065 m³/s) Aug. 22, 1977, gage height, 3.84 ft (1.170 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 25	1430	277	7.84	8.48	2.585	Mar. 20	2100	577	16.3	9.22	2.810
Mar. 7	1730	357	10.1	8.74	2.664	Mar. 28	0330	676	19.1	9.38	2.859
Mar. 17	0800	456	12.9	8.99	2.740	May 17	1415	387	11.0	8.82	2.688
Mar. 20	1015	*731	20.7	9.46	2.883						

Minimum discharge, 2.8 ft³/s (0.078 m³/s) July 19, 20, gage height 3.84 ft (1.170 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	27	19	14	17	14	38	21	11	6.8	4.7	4.2
2	7.2	15	17	12	16	14	36	20	10	6.9	4.6	3.9
3	7.0	11	16	24	16	14	34	19	9.9	6.8	4.7	4.1
4	18	11	16	17	15	16	33	17	9.4	6.5	5.2	4.1
5	8.6	10	16	14	15	29	31	16	9.2	6.3	4.9	7.2
6	7.8	10	16	13	15	16	30	15	9.2	5.8	4.7	5.3
7	7.2	10	15	21	13	116	29	14	9.0	5.7	4.6	4.6
8	7.0	10	14	17	34	51	28	13	8.8	5.8	4.5	4.6
9	7.0	81	13	15	48	26	27	12	8.8	5.3	4.3	4.3
10	9.9	54	13	14	25	19	26	11	10	4.9	4.3	4.2
11	8.0	22	13	28	20	16	40	10	9.2	4.6	4.2	3.9
12	7.4	16	14	17	18	71	108	9.8	9.2	4.5	4.5	3.9
13	6.8	14	40	15	16	31	100	9.4	12	4.5	4.9	3.9
14	6.7	13	19	14	16	21	62	9.0	8.8	4.3	5.3	4.1
15	6.8	12	16	14	21	18	46	15	7.6	4.2	5.5	3.9
16	6.7	12	16	14	20	73	39	40	8.0	4.1	4.7	3.8
17	6.7	11	13	15	15	280	34	111	8.6	4.1	4.9	4.5
18	6.7	11	13	39	15	62	56	40	8.0	4.3	5.0	4.5
19	6.7	11	13	17	19	44	43	22	8.0	4.1	4.6	4.2
20	6.5	10	12	15	19	398	35	46	8.0	3.9	4.5	5.2
21	6.3	10	12	21	16	142	30	20	7.8	4.6	4.3	5.2
22	14	35	12	64	15	57	25	37	7.6	41	4.1	4.5
23	11	166	61	31	14	44	23	44	8.2	14	4.1	4.5
24	8.4	52	61	22	13	76	22	22	8.2	5.7	4.2	4.7
25	7.4	129	25	18	13	40	43	15	7.8	5.2	4.2	6.1
26	7.2	51	20	18	12	32	51	13	7.2	7.8	4.1	5.0
27	7.2	32	17	16	12	38	28	12	7.0	11	3.9	4.6
28	14	30	16	15	12	289	26	12	6.7	5.5	4.9	21
29	51	23	19	15	12	64	28	12	7.2	5.3	9.6	25
30	17	21	21	31	---	55	23	11	7.8	5.0	4.5	15
31	20	---	16	26	---	43	---	11	---	4.9	4.6	---
TOTAL	319.4	920	604	626	512	2209	1174	679.2	258.2	213.4	147.1	184.0
MEAN	10.3	30.7	19.5	20.2	17.7	71.3	39.1	21.9	8.61	6.88	4.75	6.13
MAX	51	166	61	64	48	398	108	111	12	41	9.6	25
MIN	6.3	10	12	12	12	14	22	9.0	6.7	3.9	3.9	3.8
CFSM	.93	2.77	1.76	1.82	1.60	6.42	3.52	1.97	.78	.62	.43	.55
IN.	1.07	3.08	2.02	2.10	1.72	7.40	3.93	2.28	.87	.72	.49	.62

CAL YR 1979 TOTAL 7787.7 MEAN 21.3 MAX 289 MIN 4.7 CFSM 1.92 IN 26.10
WTR YR 1980 TOTAL 7846.3 MEAN 21.4 MAX 398 MIN 3.8 CFSM 1.93 IN 26.29

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE¼ sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at the downstream end of bridge on county road, 3.2 mi (5.2 km) northeast of Fulton, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--19.1 mi^2 (49.5 km^2).

PERIOD OF RECORD.--July 22, 1975, to current year.

GAGE.--Water-stage recorder. Altitude of gage is 295 ft (90 m), from topographic map.

REMARKS.--Records poor to Mar. 26 and fair thereafter.

AVERAGE DISCHARGE.--5 years, 35.1 ft^3/s (0.994 m^3/s), 24.96 in/yr (634 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined; maximum gage height, 10.83 ft (3.301 m) May 8, 1978, from floodmark; minimum 3.9 ft^3/s (0.11 m^3/s) Sept. 3, 4, 1977, gage height, 3.88 ft (1.183 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined. Maximum gage height, not determined, probably occurred on rise of Mar. 20; minimum discharge, 5.1 ft^3/s (0.14 m^3/s) Aug. 22, 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	70	28	28	37	27	69	38	22	14	11	10
2	9.6	35	25	25	32	22	64	36	21	14	10	9.7
3	9.4	25	24	30	35	25	60	35	20	13	12	10
4	15	19	23	45	30	30	56	33	19	12	13	18
5	12	16	22	32	27	60	70	33	19	12	11	33
6	10	14	24	30	26	35	56	31	20	11	11	12
7	9.4	13	20	35	25	250	52	29	19	11	10	11
8	9.0	14	18	30	35	100	60	30	19	11	9.5	11
9	10	100	18	27	80	80	54	27	19	11	9.2	9.7
10	25	80	17	25	54	60	50	27	18	11	8.9	9.7
11	15	45	17	40	45	50	60	27	18	10	8.7	9.5
12	12	30	20	30	40	100	176	27	17	9.5	8.9	9.2
13	10	24	50	28	35	70	184	27	17	9.2	8.7	8.9
14	9.4	21	28	26	33	60	111	27	16	9.2	8.7	8.9
15	9.0	19	23	25	40	50	80	26	15	8.9	8.9	8.4
16	8.6	18	21	25	35	100	71	64	16	8.7	8.4	8.4
17	8.4	17	20	30	30	350	71	251	22	8.7	8.9	12
18	9.0	16	19	70	28	130	92	128	19	9.5	9.5	11
19	10	15	19	40	35	100	74	68	18	8.7	8.1	9.7
20	15	15	18	35	40	450	70	88	19	8.7	7.6	11
21	11	14	17	40	36	200	58	43	17	11	7.4	13
22	14	35	17	150	33	120	50	54	17	38	6.9	11
23	35	300	35	90	30	100	45	73	33	29	6.9	10
24	30	150	150	60	27	160	40	45	27	15	6.9	15
25	22	250	90	50	25	120	67	40	21	14	7.1	20
26	17	100	54	42	24	90	86	35	17	15	6.9	15
27	17	60	40	37	23	71	51	31	16	44	6.9	12
28	20	45	37	34	22	292	45	28	15	18	12	54
29	40	35	35	32	23	120	47	26	21	13	26	24
30	25	30	40	50	---	100	40	24	21	12	13	15
31	50	---	33	45	---	78	---	23	---	11	13	---
TOTAL	506.8	1625	1002	1286	985	3600	2109	1474	578	431.1	305.0	420.1
MEAN	16.3	54.2	32.3	41.5	34.0	116	70.3	47.5	19.3	13.9	9.84	14.0
MAX	50	300	150	150	80	450	184	251	33	44	26	54
MIN	8.4	13	17	25	22	22	40	23	15	8.7	6.9	8.4
CFSM	.85	2.84	1.69	2.17	1.78	6.07	3.68	2.49	1.01	.73	.52	.73
IN.	.99	3.16	1.95	2.50	1.92	7.01	4.11	2.87	1.13	.84	.59	.82

CAL YR 1979 TOTAL 14399.4 MEAN 39.5 MAX 400 MIN 8.0 CFSM 2.07 IN 28.04
WTR YR 1980 TOTAL 14322.0 MEAN 39.1 MAX 450 MIN 6.9 CFSM 2.05 IN 27.89

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft (300 m) downstream from Twentymile-Fulton Canal, 2.2 mi (3.5 km) west of Fulton, 6.2 mi (10.0 km) upstream from Mantachie Creek Canal, 13.5 mi (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at site 800 ft (240 m) upstream 1909-12 are contained in reports of National Weather Service. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

REVISED RECORDS.--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft (74.045 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years, 963 ft³/s (27.27 m³/s), 21.37 in/yr (543 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955, gage height, 25.75 ft (7.849 m), from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of estimate of flow made by indirect methods; minimum observed, 11 ft³/s (0.31 m³/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft³/s (0.34 m³/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	1200	22500	637	a19.05	5.806	Mar. 21	1000	*27400	776	19.65	5.989
Dec. 24	1800	14800	419	a18.11	5.520	Mar. 28	2100	16300	462	18.32	5.584
Jan. 30	1000	10400	294	a17.50	5.334	Apr. 14	0800	11600	329	17.67	5.386
Mar. 18	0100	19600	565	18.73	5.709						

Minimum discharge, 57 ft³/s (1.61 m³/s) Aug. 28, gage height, 5.52 ft (1.682 m).

a From reconstructed graph based on once daily observer readings.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	379	1210	1780	1130	1140	561	2790	1000	357	181	186	124
2	337	1230	1290	1050	1420	568	2170	933	326	184	159	111
3	298	984	1070	946	1120	573	1840	844	296	170	148	100
4	361	828	942	1080	990	584	1490	758	270	165	530	96
5	360	678	897	1230	905	724	1180	703	250	139	268	185
6	329	561	821	1130	863	894	1060	643	237	125	201	156
7	295	475	796	1050	832	1170	984	605	218	115	169	98
8	274	414	745	1080	814	7610	931	570	201	109	145	82
9	252	510	698	1010	1580	6920	939	504	187	106	129	80
10	260	1940	672	931	2000	4030	875	469	178	104	117	77
11	269	3420	630	1090	2070	2330	843	446	172	104	106	71
12	266	2490	614	1890	1700	2080	3490	433	164	119	100	67
13	260	1890	868	1660	1240	3640	8720	418	174	100	96	62
14	240	1320	1960	1330	1030	2810	10900	421	157	82	96	59
15	223	990	1670	1210	890	1960	7540	407	145	75	117	70
16	209	819	1420	958	996	1550	4030	500	136	92	141	63
17	203	703	1110	905	988	11000	2490	873	832	77	121	67
18	189	616	942	1380	931	16300	2530	1280	542	70	108	73
19	184	568	828	1890	832	9810	3440	1430	318	66	91	68
20	175	521	757	1730	872	9090	2470	1770	248	63	82	75
21	167	486	714	1580	954	25200	1820	1680	219	74	78	98
22	176	498	681	1370	897	17200	1340	1230	214	102	77	100
23	252	2140	698	1090	855	8430	1080	1300	211	918	70	97
24	252	14400	8210	1170	796	7100	959	1290	218	584	67	94
25	256	13900	11900	1340	729	7540	909	1170	240	549	65	113
26	267	20500	7290	1640	660	4280	1350	931	239	659	63	144
27	254	14700	3750	2330	599	3040	1490	728	212	686	62	140
28	241	8720	2620	3800	574	10900	1340	587	186	568	60	228
29	459	4080	1820	7160	573	13700	1180	489	171	381	126	409
30	1080	2650	1410	1370	---	8640	1070	431	192	281	149	576
31	1020	---	1280	1590	---	4640	---	386	---	229	148	---
TOTAL	9787	104241	60883	49120	29850	194874	73250	25229	7510	7277	4075	3783
MEAN	316	3475	1964	1585	1029	6286	2442	814	250	235	131	126
MAX	1080	20500	11900	7160	2070	25200	10900	1770	832	918	530	576
MIN	167	414	614	905	573	561	843	386	136	63	60	59
CFSM	.52	5.68	3.21	2.59	1.68	10.3	3.99	1.33	.41	.38	.21	.21
IN.	.59	6.34	3.70	2.99	1.81	11.85	4.45	1.53	.46	.44	.25	.23

CAL YR 1979 TOTAL 678539 MEAN 1859 MAX 20500 MIN 103 CFSM 3.04 IN 41.24
WTR YR 1980 TOTAL 569879 MEAN 1557 MAX 25200 MIN 59 CFSM 2.54 IN 34.64

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.12	13.92	15.12	13.61	13.64	10.45	16.06	13.00	9.13	7.36	7.33	6.57
2	8.80	14.00	14.20	13.22	14.47	10.50	15.60	12.65	8.87	7.40	7.02	6.40
3	8.48	12.92	13.32	12.72	13.54	10.53	15.20	12.17	8.61	7.23	6.87	6.24
4	9.04	12.08	12.70	13.38	12.95	10.60	14.61	11.68	8.37	7.18	10.21	6.17
5	9.05	11.20	12.46	14.02	12.50	11.47	13.81	11.34	8.18	6.86	8.15	7.32
6	8.82	10.45	12.04	13.58	12.27	12.44	13.30	10.97	8.05	6.68	7.49	6.98
7	8.54	9.85	11.90	13.23	12.10	13.29	12.92	10.74	7.86	6.54	7.13	6.20
8	8.37	9.40	11.60	13.36	12.00	17.07	12.64	10.51	7.68	6.46	6.85	5.96
9	8.18	10.10	11.32	13.05	14.78	17.03	12.68	10.06	7.53	6.42	6.64	5.92
10	8.28	15.12	11.16	12.64	15.43	16.51	12.34	9.81	7.43	6.39	6.48	5.88
11	8.36	16.35	10.90	13.24	15.52	15.73	12.16	9.64	7.36	6.38	6.32	5.78
12	8.33	15.88	10.80	15.28	15.00	15.47	15.51	9.54	7.27	6.60	6.23	5.70
13	8.28	15.28	12.30	14.92	14.07	16.43	17.28	9.43	7.38	6.32	6.17	5.62
14	8.08	14.27	15.38	14.28	13.12	16.06	17.57	9.45	7.18	6.05	6.18	5.56
15	7.91	12.95	14.95	13.92	12.42	15.35	17.11	9.34	7.04	5.94	6.48	5.75
16	7.77	12.03	14.48	12.78	12.98	14.70	16.51	10.00	6.92	6.20	6.80	5.64
17	7.70	11.35	13.52	12.50	12.94	17.45	15.86	12.25	11.95	5.96	6.53	5.71
18	7.55	10.81	12.70	14.40	12.64	18.30	15.87	14.18	10.38	5.85	6.35	5.80
19	7.50	10.50	12.08	15.28	12.10	17.43	16.35	14.48	8.69	5.77	6.10	5.73
20	7.39	10.18	11.67	15.05	12.32	17.32	15.84	15.10	8.06	5.72	5.95	5.85
21	7.30	9.93	11.42	14.78	12.76	19.38	15.17	14.94	7.77	5.92	5.90	6.20
22	7.40	10.02	11.22	14.37	12.46	18.42	14.26	13.97	7.72	6.35	5.88	6.24
23	8.20	14.58	11.32	13.42	12.23	17.24	13.37	14.20	7.69	12.53	5.75	6.19
24	8.20	18.05	17.22	13.75	11.90	17.05	12.79	14.20	7.75	10.59	5.70	6.14
25	8.24	17.98	17.72	14.31	11.51	17.12	12.52	13.74	7.98	10.37	5.67	6.42
26	8.34	18.83	17.08	14.89	11.09	16.59	14.26	12.66	7.97	11.07	5.63	6.83
27	8.22	18.09	16.48	15.75	10.70	16.19	14.61	11.55	7.70	11.24	5.62	6.78
28	8.09	17.29	15.98	16.50	10.54	17.54	14.30	10.72	7.42	10.49	5.57	7.69
29	10.22	16.56	15.18	17.06	10.53	17.96	13.81	10.08	7.25	9.13	6.60	9.35
30	13.38	16.00	14.46	14.38	---	17.27	13.32	9.68	7.48	8.27	6.90	10.54
31	13.08	---	14.18	14.80	---	16.65	---	9.37	---	7.77	6.88	---
MEAN	8.59	13.53	13.45	14.14	12.78	15.66	14.59	11.66	8.02	7.52	6.56	6.44
MAX	13.38	18.83	17.72	17.06	15.52	19.38	17.57	15.10	11.95	12.53	10.21	10.54
MIN	7.30	9.40	10.80	12.50	10.53	10.45	12.16	9.34	6.92	5.72	5.57	5.56

CAL YR 1979 MEAN 12.22 MAX 18.83 MIN 6.37
WTR YR 1980 MEAN 11.07 MAX 19.38 MIN 5.56

02431000 TOMBIGBEE RIVER NR FULTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
02...	1210	333	92	6.6	22.0	20	7.5	1.4	5.4	25	.02
NOV											
15...	1330	964	75	6.0	8.0	15	10.3	2.6	--	12	.04
FEB											
13...	1120	1240	75	6.7	1.5	10	13.0	3.2	--	23	.08
MAR											
03...	1045	563	80	6.4	2.0	6.5	12.8	3.2	--	33	.04
JUN											
03...	0930	316	75	7.1	26.0	46	7.0	2.5	--	20	.09
JUL											
07...	1000	68	72	6.9	30.0	15	7.2	3.8	--	26	.08
AUG											
04...	1100	590	105	7.0	25.0	250	7.1	9.8	--	36	.37
SEP											
09...	1530	80	65	7.0	28.5	6.0	7.5	2.7	--	17	.08

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
02...	.010	.03	.040	.05	.07	.11	.14	.62	.050	.15	.010
NOV											
15...	.000	.04	.020	.02	.26	.28	.32	1.4	.050	.15	.020
FEB											
13...	.010	.09	.020	.02	.34	.36	.45	2.0	.080	.25	.010
MAR											
03...	.030	.07	.000	.00	.13	.13	.20	.89	.040	.12	.020
JUN											
03...	.010	.10	.070	.08	.26	.33	.43	1.9	.100	.31	.020
JUL											
07...	.010	.09	.080	.10	.36	.44	.53	2.3	.060	.18	.010
AUG											
04...	.070	.44	.100	.12	.85	.95	1.4	6.2	.370	1.1	.020
SEP											
09...	.010	.09	.030	.04	.22	.25	.34	1.5	.030	.09	.000

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi (1.1 km) northwest of Tremont, 1.5 mi (2.4 km) upstream from Johns Creek, 1.5 mi (2.4 km) upstream from Cypress Creek, 3.2 mi (5.1 km) upstream from Chubby Creek, and 8.0 mi (12.9 km) southeast of Fulton.

DRAINAGE AREA.--136 mi^2 (353 km^2).

PERIOD OF RECORD.--October 1943 to September 1964; October 1973 to current year (low-water records only).

GAGE.--Water-stage recorder. Datum of gage is 317.39 ft (96.740 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records good. Discharges over 200 ft^3/s (5.664 m^3/s) not determined.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft^3/s (6.004 m^3/s), 21.17 in/yr (538 mm).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.28 ft (3.438 m) Mar. 21, 1955 (discharge not determined). Minimum discharge, 4.6 ft^3/s (0.13 m^3/s) Sept. 13, 1954, gage height, 1.78 ft (0.542 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft (3.99 m) from floodmark by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.84 ft (2.694 m) Mar. 17 (discharge not determined); minimum discharge, 8.1 ft^3/s (0.23 m^3/s) Aug. 28, gage height, 1.88 ft (0.573 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	176	185	140	---	112	---	190	95	76	29	20
2	45	---	166	129	---	112	---	173	86	52	26	19
3	39	177	150	126	180	107	---	160	77	43	25	21
4	80	134	142	181	170	109	---	145	71	39	24	43
5	109	113	136	180	160	151	---	134	67	35	26	35
6	68	99	134	156	150	157	197	127	62	33	24	40
7	55	90	129	151	140	---	186	119	58	30	22	26
8	47	84	119	162	140	---	178	112	54	37	20	28
9	41	157	112	146	---	---	164	104	50	31	19	23
10	44	---	108	137	---	---	154	98	46	29	20	20
11	55	---	106	194	---	---	148	93	44	28	18	18
12	48	---	105	---	---	---	---	93	41	26	17	16
13	41	---	137	192	---	---	---	88	38	24	17	16
14	37	174	166	178	---	---	---	86	36	22	16	15
15	33	153	132	162	190	---	---	84	35	21	17	14
16	34	142	127	150	190	---	---	112	32	20	20	14
17	34	129	122	144	200	---	---	---	31	19	19	14
18	34	119	111	181	180	---	---	---	36	45	17	15
19	33	112	109	185	160	---	---	---	38	34	24	17
20	33	107	108	159	160	---	---	---	37	24	19	16
21	38	102	105	155	180	---	---	---	36	22	15	17
22	32	101	101	---	160	---	185	---	31	36	13	17
23	41	---	103	---	140	---	170	---	40	155	12	17
24	58	---	---	---	130	---	161	---	130	76	11	17
25	40	---	---	---	127	---	158	---	95	49	10	22
26	35	---	---	---	122	---	---	199	63	39	10	56
27	37	---	189	---	117	---	---	163	50	50	9.5	39
28	34	---	165	180	117	---	---	138	44	77	9.0	70
29	98	---	152	168	115	---	---	124	40	51	23	191
30	112	---	156	170	---	---	---	113	113	39	46	191
31	87	---	151	---	---	---	---	104	---	33	23	---
TOTAL	1571	---	---	---	---	---	---	---	1676	1295	600.5	1067
MEAN	50.7	---	---	---	---	---	---	---	55.9	41.8	19.4	35.6
MAX	112	---	---	---	---	---	---	---	130	155	46	191
MIN	32	---	---	---	---	---	---	---	31	19	9.0	14
CFSM	.37	---	---	---	---	---	---	---	.41	.31	.14	.26
IN.	.43	---	---	---	---	---	---	---	.46	.35	.16	.29

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft (60 m) upstream from bridge on State Highway 25, 0.8 mi (1.3 km) upstream from Mississippian Railway bridge, 1.1 mi (1.8 km) north of Smithville, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi² (870 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 570 ft³/s (16.14 m³/s), 23.04 in/yr (585 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973, gage height, 18.26 ft (5.566 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage height record), Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft (4.785 m), from floodmark, discharge about 29,000 ft³/s (821 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 10	0330	5320	151	11.43	3.484	Mar. 29	1100	12000	340	13.11	3.996
Mar. 18	1230	*17600	498	14.19	4.325	Apr. 14	1200	5560	157	11.52	3.511
Mar. 22	0030	13600	385	13.43	4.093						

Minimum discharge, 49 ft³/s (1.39 m³/s) Aug. 28, 29, minimum gage height, 2.34 ft (0.713 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	396	819	547	983	370	2290	781	363	226	114	95
2	175	621	688	496	806	361	1660	674	330	204	101	73
3	160	726	595	461	678	360	1290	606	298	154	93	68
4	160	503	528	522	626	354	1080	551	273	130	88	62
5	267	379	499	688	579	424	927	501	255	116	85	71
6	292	314	480	616	551	554	810	464	238	107	84	84
7	210	277	463	533	525	1450	738	433	228	100	84	93
8	176	256	430	531	500	3680	691	399	224	95	83	86
9	158	364	392	543	876	3850	646	373	219	96	79	78
10	148	1030	364	486	1280	4600	594	346	214	97	74	76
11	155	1330	354	642	1420	2480	558	329	210	92	83	74
12	190	1770	344	927	1130	1700	1480	314	205	88	77	72
13	168	1690	419	937	877	1670	2840	307	202	82	69	71
14	146	810	613	725	743	1950	5200	298	197	77	66	70
15	133	592	621	633	672	1970	5030	290	192	73	64	68
16	126	501	492	567	667	1430	3530	326	188	69	62	66
17	123	450	454	528	680	4610	2130	841	184	67	63	65
18	121	408	415	627	590	14800	1550	1360	180	64	65	63
19	122	373	381	811	542	8000	1240	1720	177	79	65	62
20	120	344	369	756	560	4320	1090	2300	176	87	63	62
21	116	324	360	616	599	7140	898	1320	174	75	63	61
22	117	314	346	920	549	10700	780	993	172	77	61	61
23	123	830	342	1430	510	4780	695	1270	170	133	57	61
24	154	1640	577	1600	474	3580	632	1290	188	522	55	60
25	190	2890	1050	1690	442	2610	607	1440	307	290	53	60
26	149	4640	1300	1190	412	2470	1160	1010	245	172	52	81
27	133	3630	1040	908	388	2000	1300	702	212	136	50	99
28	128	3490	740	769	380	4870	1380	559	150	197	49	278
29	150	2050	618	662	377	10100	998	480	138	290	52	534
30	340	1140	580	633	---	5900	865	442	162	179	60	742
31	465	---	590	856	---	3400	---	398	---	134	112	---
TOTAL	5420	34082	17263	23850	19416	116483	44689	23117	6471	4308	2226	3496
MEAN	175	1136	557	769	670	3758	1490	746	216	139	71.8	117
MAX	465	4640	1300	1690	1420	14800	5200	2300	363	522	114	742
MIN	116	256	342	461	377	354	558	290	138	64	49	60
CFSM	.52	3.38	1.66	2.29	1.99	11.2	4.44	2.22	.64	.41	.21	.35
IN.	.60	3.77	1.91	2.64	2.15	12.90	4.95	2.56	.72	.48	.25	.39

CAL YR 1979 TOTAL 256192 MEAN 702 MAX 7150 MIN 71 CFSM 2.09 IN 28.36
WTR YR 1980 TOTAL 300821 MEAN 822 MAX 14800 MIN 49 CFSM 2.45 IN 33.31

PERIOD OF RECORD.--Water years 1972, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
02...	1030	175	32	6.7	19.5	6.0	8.1	2.3	4.5	8	.14
NOV											
15...	1400	570	29	5.0	10.5	10	9.6	1.2	--	7	.17
FEB											
13...	1000	888	26	7.2	2.5	4.5	12.9	2.9	--	6	.15
AUG											
04...	1200	88	30	6.8	24.5	14	7.6	1.0	--	11	.21
SEP											
09...	1400	78	28	6.6	25.0	5.9	7.5	2.2	--	8	.13

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
02...	.010	.15	.020	.02	.06	.08	.23	1.0	.020	.06	.010
NOV											
15...	.000	.17	.010	.01	.24	.25	.42	1.9	.020	.06	.010
FEB											
13...	.010	.16	.040	.05	.19	.23	.39	1.7	.010	.03	.000
AUG											
04...	.000	.21	.070	.08	.00	.07	.28	1.2	.020	.06	.020
SEP											
09...	.010	.14	.020	.02	.08	.10	.24	1.1	.000	.00	.000

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mi (0.8 km) southeast of Bigbee, 2.4 mi (3.9 km) northwest of Amory, 3.7 mi (6.0 km) upstream from Town Creek, and at mile 383.1 (616.4 km).

DRAINAGE AREA.--1,226 mi² (3,175 km²).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

REVISED RECORDS.--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (station 02437000), 4.0 mi (6.4 km) downstream, used as an auxiliary gage for this station.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--27 years, 2,139 ft³/s (60.58 m³/s), 23.69 in/yr (602 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973, gage height, 27.64 ft (8.425 m); minimum, 29 ft³/s (0.82 m³/s) Sept. 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft (7.99 m), from floodmark, discharge, 73,000 ft³/s (2,070 m³/s). Flood of December 1926 reached a stage of 24.2 ft (7.38 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft³/s (340 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 27	1415	20100	569	18.60	5.669	Mar. 30	0845	25500	722	19.33	5.892
Mar. 19	1100	32900	932	20.48	6.242	Apr. 15	1200	15300	433	16.90	5.151
Mar. 22	2000	*38500	1090	21.36	6.511						

Minimum daily discharge, 150 ft³/s (4.25 m³/s) Sept. 14, 15, gage height 2.22 ft (0.677 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	911	1650	5520	2770	2850	1300	9260	2420	999	579	454	347
2	779	1910	4320	2570	2970	1280	7040	2220	916	593	387	283
3	684	2170	3360	2270	2770	1260	5600	2070	829	516	342	264
4	724	2060	2760	2500	2620	1260	4610	1870	756	450	357	229
5	953	1740	2440	2470	2360	1430	3880	1680	693	410	622	234
6	932	1450	2130	2470	2150	1720	3240	1540	626	380	494	281
7	707	1160	1910	2350	1990	2950	2780	1420	601	350	396	274
8	665	970	1740	2360	1850	8300	2380	1330	557	320	372	253
9	621	1300	1610	2240	2300	7780	2210	1240	515	310	327	227
10	586	1800	1500	2100	4140	10200	2050	1160	479	305	301	219
11	581	2600	1420	2360	4020	8810	1900	1100	453	295	287	201
12	622	3850	1370	2910	4260	6970	4600	1060	431	280	269	185
13	615	4850	1730	2910	3760	6490	7400	1030	409	270	239	175
14	571	4220	2450	2940	3130	6230	12000	1000	397	255	226	155
15	537	3270	2470	2770	2700	6060	14600	982	383	240	225	152
16	503	2580	2610	2560	2510	5750	12400	1070	359	220	235	158
17	470	2020	2610	2280	2340	12800	8720	1890	363	220	269	186
18	457	1630	2400	2420	2180	21100	6860	3670	856	210	257	169
19	437	1380	2100	2680	2020	29200	5820	3500	930	200	235	170
20	432	1220	1820	2760	2020	19000	5040	4320	719	210	215	171
21	431	1110	1620	2830	2050	20000	4600	3960	604	205	215	181
22	419	1080	1500	3390	2020	33400	3880	3350	561	200	193	194
23	443	3000	1560	5310	1930	29000	3130	4000	546	360	177	215
24	515	10000	3260	5270	1820	16300	2530	3620	602	1010	176	214
25	571	15000	5300	6010	1710	10900	2300	3470	739	1130	170	235
26	557	16000	10500	5630	1570	9890	2700	2950	701	870	164	330
27	542	19500	9460	4470	1460	8460	3200	2220	619	851	159	342
28	530	16300	6840	3530	1380	13200	3610	1780	545	888	160	894
29	684	11100	5100	2810	1340	19400	3160	1500	500	982	277	1750
30	1040	7480	3980	2550	---	23200	2700	1260	589	726	329	2010
31	1370	---	3280	2740	---	15400	---	1100	---	542	343	---
TOTAL	19889	144400	100670	95230	70220	359040	154200	65782	18277	14377	8872	10698
MEAN	642	4813	3247	3072	2421	11580	5140	2122	609	464	286	357
MAX	1370	19500	10500	6010	4260	33400	14600	4320	999	1130	622	2010
MIN	419	970	1370	2100	1340	1260	1900	982	359	200	159	152
CFSM	.52	3.93	2.65	2.51	1.98	9.45	4.19	1.73	.50	.38	.23	.29
IN.	.60	4.38	3.05	2.89	2.13	10.89	4.68	2.00	.55	.44	.27	.32

CAL YR 1979 TOTAL 1051545 MEAN 2881 MAX 21500 MIN 278 CFSM 2.35 IN 31.91
WTR YR 1980 TOTAL 1061655 MEAN 2901 MAX 33400 MIN 152 CFSM 2.37 IN 32.21

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mi (0.3 km) downstream from Mud Creek; 0.4 mi (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 mi (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--233 mi² (603 km²), revised, includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. No gage height record Oct. 1-29. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--10 years, 509 ft³/s (14.41 m³/s), 29.67 in/yr (754 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,600 ft³/s (640 m³/s) May 7, 1978, gage height, 27.08 ft (8.254 m); minimum, 1.9 ft³ (0.054 m³/s) Sept. 13, 1977, gage height, 2.62 ft (0.799 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	1600	10200	289	24.83	7.568	Mar. 17	1000	12300	348	25.37	7.733
Nov. 25	2100	12600	357	25.40	7.742	Mar. 21	0030	*16000	453	26.13	7.964
Dec. 24	1000	8550	242	24.23	7.385	Mar. 28	1100	11200	317	25.05	7.635
Mar. 8	0045	10100	286	24.73	7.538	Apr. 12	1200	9320	264	24.30	7.407

Minimum discharge, 4.9 ft³/s (0.14 m³/s) Aug. 27-29, Sept. 16, gage height, 2.65 ft (0.808 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	459	505	324	352	86	1250	190	36	173	25	6.8
2	34	237	399	283	284	84	967	183	36	80	20	57
3	30	139	331	292	258	82	774	170	32	50	140	14
4	200	125	288	711	233	80	656	153	26	40	369	8.7
5	80	122	262	328	213	343	556	125	22	32	69	7.3
6	50	114	243	258	224	225	483	119	19	27	37	7.7
7	40	104	203	358	189	3180	434	119	16	23	26	7.7
8	32	94	173	360	367	5850	401	115	15	21	19	6.8
9	28	1500	155	256	2120	951	369	96	14	19	15	5.6
10	40	2960	144	245	780	603	336	74	14	17	13	5.6
11	36	551	138	1500	447	458	344	66	12	15	12	5.6
12	33	356	233	667	344	2720	6250	64	11	14	13	5.6
13	29	275	1670	384	286	1420	4860	61	11	12	125	5.6
14	27	198	572	313	253	582	4040	59	9.8	12	19	9.8
15	27	161	328	261	245	440	1570	53	9.3	11	89	8.7
16	26	140	270	245	298	1650	1420	105	47	9.8	14	5.3
17	26	126	225	373	216	10100	1180	323	684	9.3	10	32
18	25	117	195	932	192	4180	2770	222	166	9.3	26	13
19	25	111	183	432	209	1360	1470	136	312	8.7	25	6.4
20	24	105	168	303	288	7720	1100	178	344	12	14	5.6
21	24	113	151	450	228	10400	709	123	100	89	8.2	12
22	24	440	157	2290	198	2730	502	263	60	160	6.8	7.3
23	100	7580	2770	1810	168	1660	396	400	45	278	6.8	5.6
24	70	5930	7680	590	147	3700	324	198	465	54	6.0	30
25	56	6750	2390	466	120	1520	414	142	150	35	6.4	50
26	50	6910	965	415	110	1020	1350	109	80	352	6.8	24
27	45	1740	696	362	100	982	570	77	50	373	6.0	8.7
28	40	1160	538	284	94	8430	351	57	35	130	5.3	331
29	442	837	447	243	90	3360	278	45	200	33	11	371
30	281	639	540	450	---	1600	220	43	578	59	9.3	371
31	303	---	385	1050	---	1450	---	38	---	30	9.3	---
TOTAL	2285	40093	23404	17235	9053	78966	36344	4106	3599.1	2188.1	1161.9	1435.4
MEAN	73.7	1336	755	556	312	2547	1211	132	120	70.6	37.5	47.8
MAX	442	7580	7680	2290	2120	10400	6250	400	684	373	369	371
MIN	24	94	138	243	90	80	220	38	9.3	8.7	5.3	5.3
CFSM	.32	5.73	3.24	2.39	1.34	10.9	5.20	.57	.52	.30	.16	.21
IN.	.36	6.40	3.74	2.75	1.45	12.61	5.80	.66	.57	.35	.19	.23

CAL YR 1979 TOTAL 254565.0 MEAN 697 MAX 11500 MIN 12 CFSM 2.99 IN 40.64
WTR YR 1980 TOTAL 219870.5 MEAN 601 MAX 10400 MIN 5.3 CFSM 2.58 IN 35.10

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.83	6.05	4.74	4.94	---	10.13	---	3.03	3.69	---	2.70
2	---	4.22	5.28	4.43	4.44	---	8.70	3.75	3.04	---	---	3.06
3	---	3.55	4.79	4.49	4.24	---	7.68	3.67	3.01	---	---	2.82
4	---	3.45	4.47	7.25	4.06	---	6.98	3.58	2.97	---	5.44	2.74
5	---	3.43	4.27	4.77	3.93	4.88	6.37	3.43	2.93	---	3.55	2.71
6	---	3.38	4.13	4.24	4.00	4.02	5.90	3.40	2.90	3.00	3.21	2.72
7	---	3.32	3.87	4.98	3.77	12.67	5.55	3.40	2.87	2.94	3.08	2.72
8	---	3.27	3.69	5.01	4.88	20.88	5.31	3.38	2.85	2.92	2.99	2.70
9	---	9.63	3.59	4.22	13.58	8.53	5.07	3.29	2.84	2.90	2.93	2.67
10	---	15.87	3.53	4.00	7.64	6.65	4.82	3.22	2.83	2.88	2.88	2.67
11	---	6.32	3.50	10.53	5.63	5.72	4.87	3.19	2.81	2.86	2.86	2.67
12	---	4.98	4.06	6.97	4.89	14.63	21.76	3.18	2.79	2.85	2.87	2.67
13	---	4.37	11.53	5.18	4.46	10.54	20.77	3.17	2.79	2.82	3.48	2.67
14	---	3.84	6.43	4.66	4.20	6.52	18.58	3.16	2.77	2.81	2.90	2.75
15	---	3.62	4.77	4.26	4.14	5.59	11.66	3.13	2.77	2.80	3.32	2.74
16	---	3.51	4.33	4.14	4.54	10.10	10.94	3.35	3.06	2.78	2.84	2.66
17	---	3.44	4.01	5.09	3.96	24.75	9.79	4.74	6.83	2.77	2.79	2.95
18	---	3.39	3.82	8.27	3.80	18.54	15.52	4.01	3.65	2.77	2.91	2.82
19	---	3.36	3.75	5.52	3.91	10.65	11.18	3.50	4.54	2.76	2.89	2.71
20	---	3.33	3.66	4.58	4.47	20.54	9.39	3.72	4.82	2.80	2.80	2.69
21	---	3.37	3.57	5.53	4.03	24.51	7.30	3.42	---	3.27	2.72	2.80
22	---	5.10	3.60	13.73	3.84	15.51	6.03	4.29	---	4.01	2.70	2.73
23	---	22.92	12.20	12.04	3.66	12.02	5.27	5.26	---	4.94	2.70	2.69
24	---	21.44	23.81	6.57	3.55	18.28	4.74	3.84	5.69	3.40	2.68	2.93
25	---	20.71	14.19	5.78	---	11.33	5.26	3.52	4.02	3.21	2.69	3.09
26	---	22.39	8.68	5.41	---	8.98	10.53	3.35	3.56	5.40	2.70	2.93
27	---	12.24	7.22	5.01	---	8.54	6.45	3.23	3.46	5.58	2.67	2.76
28	---	9.67	6.25	4.45	---	23.95	4.94	3.15	---	4.05	2.66	4.81
29	6.38	8.03	5.64	4.13	---	16.83	4.39	3.09	3.87	3.52	2.77	5.07
30	4.53	6.88	6.26	5.46	---	11.79	---	3.08	6.23	3.60	2.75	5.06
31	4.68	---	5.19	8.79	---	11.10	---	3.05	---	---	2.75	---
MEAN	---	7.63	6.13	5.94	---	---	---	---	---	---	---	2.99
MAX	---	22.92	23.81	13.73	---	---	---	---	---	---	---	5.07
MIN	---	3.27	3.50	4.00	---	---	---	---	---	---	---	2.66

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi (2.4 km) downstream from Chiwapa Creek (revised), and 2.1 mi (3.4 km) south of Nettleton.

DRAINAGE AREA.--620 mi² (1,606 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

REVISED RECORDS.--WSP 1504: 1948.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records good except those for periods of no gage-height record, Feb. 24 to Mar 19 and June 16 to July 23, which are fair.

AVERAGE DISCHARGE.--41 years, 959 ft³/s (27.16 m³/s), 21.01 in/yr (534 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s (4,280 m³/s) Mar. 22, 1955, gage height, 33.88 ft (10.327 m); minimum, 0.8 ft³/s (0.023 m³/s) Sept. 14, 15, 1942.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft (9.91 m), present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	1945	20400	578	27.21	8.294	Mar. 21	0030	23100	654	27.68	8.437
Nov. 25	1845	22800	646	27.63	8.422	Mar. 28	0945	*28400	804	28.49	8.684
Dec. 24	0930	15600	442	25.85	7.879	Apr. 12	1145	20400	578	27.20	8.291
Mar. 8	Unknown	Unknown		Unknown		Apr. 13	1745	17900	507	26.62	8.114
Mar. 18	Unknown	Unknown		Unknown							

Minimum daily discharge, 16 ft³/s (0.45 m³/s) Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	1050	1380	1010	1100	300	2370	515	126	500	91	22
2	172	576	1070	916	800	290	1770	470	119	300	74	21
3	144	310	868	920	640	280	1450	430	107	200	64	110
4	940	228	748	2480	560	270	1200	381	98	150	536	40
5	384	191	668	1000	600	450	1000	328	93	110	130	30
6	221	175	580	800	540	1000	900	287	88	90	80	26
7	170	161	520	1100	480	500	800	281	76	80	62	24
8	142	150	480	1150	968	3000	700	261	69	72	52	25
9	130	3440	450	800	6640	11000	660	234	64	65	46	19
10	157	8100	420	660	3370	3500	620	213	63	60	41	18
11	152	1940	400	4000	1530	1700	700	206	61	55	38	18
12	124	1000	500	2540	1120	1100	16100	198	55	50	37	17
13	114	708	3100	1100	900	7000	15100	193	51	45	74	18
14	103	505	1970	800	760	3000	10800	186	48	42	53	20
15	100	404	972	700	708	1500	4350	182	45	40	34	22
16	100	356	812	620	876	1000	2840	244	300	38	37	19
17	98	310	617	560	610	10000	2160	1230	1500	37	30	32
18	98	278	520	1950	519	20000	7020	808	400	36	27	36
19	96	252	480	1000	536	10000	4050	325	500	35	29	24
20	96	231	460	800	836	15900	2060	463	1000	50	27	21
21	95	221	450	1100	648	18500	1200	316	400	350	26	24
22	96	844	430	6160	569	9770	900	591	300	900	23	26
23	126	17200	3690	5610	480	4710	800	2380	250	400	21	20
24	103	13400	13000	1820	450	9030	700	602	1300	114	19	28
25	98	16000	6680	1200	400	4700	900	362	500	66	18	52
26	96	13600	2620	1100	360	2880	5660	269	350	1240	17	71
27	96	5800	1820	900	340	2570	1400	213	300	565	19	37
28	96	3530	1380	700	320	21200	1000	184	220	440	18	1560
29	732	2640	1140	600	310	10900	700	163	500	130	19	2380
30	636	1900	1520	800	---	5280	580	152	1500	132	26	2220
31	533	---	1170	3350	---	3380	---	138	---	110	23	---
TOTAL	6446	95500	50915	48246	27970	184710	90490	12805	10483	6502	1791	6980
MEAN	208	3183	1642	1556	964	5958	3016	413	349	210	57.8	233
MAX	940	17200	13000	6160	6640	21200	16100	2380	1500	1240	536	2380
MIN	95	150	400	560	310	270	580	138	45	35	17	17
CFSM	.34	5.13	2.65	2.51	1.56	9.61	4.87	.67	.56	.34	.09	.38
IN.	.39	5.73	3.05	2.89	1.68	11.08	5.43	.77	.63	.39	.11	.42

CAL YR 1979 TOTAL 633122 MEAN 1735 MAX 21300 MIN 51 CFSM 2.80 IN 37.99
WTR YR 1980 TOTAL 542638 MEAN 1483 MAX 21200 MIN 17 CFSM 2.39 IN 32.57

02436500 TOWN CREEK NR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
01...	0950	196	266	7.0	22.0	20	7.6	4.3	13	91	.41
NOV											
15...	1600	398	256	7.2	11.0	25	9.4	3.7	--	93	.19
FEB											
13...	1230	491	230	7.2	3.0	10	13.4	2.8	--	77	.16
AUG											
05...	1330	295	200	7.9	28.5	65	8.6	5.3	--	68	.38
SEP											
08...	1530	23	563	7.7	35.0	3.4	11.4	14	--	130	.00

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
01...	.040	.45	.000	.00	.51	.51	.96	4.3	.450	1.4	.340
NOV											
15...	.050	.24	.210	.25	.60	.81	1.1	4.6	.260	.80	.140
FEB											
13...	.020	.18	.160	.19	.39	.55	.73	3.2	.250	.77	.100
AUG											
05...	.160	.54	.230	.28	1.1	1.3	1.8	8.1	.370	1.1	.220
SEP											
08...	.010	.01	.120	.15	2.3	2.4	2.4	11	.920	2.8	.200

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi (0.5 km) downstream from Town Creek, 3.5 mi (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,928 mi² (4,994 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500), 20 mi (32 km) downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 3,127 ft³/s (88.56 m³/s), 22.03 in/yr (560 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973, gage height, 34.65 ft (10.561 m); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft (10.21 m) and the flood of Dec. 26 reached a stage of 31.5 ft (9.60 m), from Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	1200	31500	892	27.05	8.245	Mar. 22	1430	*43700	1240	28.16	8.583
Dec. 25	0545	16400	464	22.26	6.785	Mar. 29	0030	40000	1130	27.68	8.437
Mar. 8	1345	27800	787	25.69	7.830	Apr. 14	0815	28100	796	25.74	7.846
Mar. 13	0145	18600	527	23.11	7.044	Apr. 18	2300	16500	467	22.32	6.803
Mar. 18	0130	43100	1220	28.09	8.562						

Minimum discharge, 177 ft³/s (5.01 m³/s) Sept. 14, gage height, 5.27 ft (1.606 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	2700	7880	3930	4320	1510	15300	3440	1280	887	546	366
2	1090	2530	5750	3410	3820	1470	11200	3090	1160	729	471	303
3	962	2430	4490	3030	3550	1440	8490	2840	1050	604	420	366
4	1710	2310	3670	4280	3240	1440	6630	2570	960	532	822	290
5	1540	1970	3180	3600	2930	1960	5420	2290	877	490	764	266
6	1270	1660	2810	3210	2770	2360	4480	2070	804	446	590	300
7	989	1340	2500	3150	2510	5450	3800	1910	764	411	464	295
8	900	1140	2260	3650	2440	24500	3440	1770	708	380	431	278
9	837	2520	2060	3040	9120	19400	3110	1630	656	364	383	249
10	812	11400	1920	2780	8930	14800	2820	1480	619	364	355	235
11	823	7640	1840	5140	5940	12700	2630	1390	594	355	330	218
12	821	4860	1790	6570	5110	13200	13300	1320	566	336	316	206
13	788	4780	3440	4330	4560	16600	22800	1280	542	322	311	196
14	724	4430	4430	3930	3970	10500	27100	1240	529	303	303	182
15	686	3680	3320	3600	3440	8170	22300	1210	509	283	271	180
16	642	3040	3250	3230	3310	8080	18100	1350	484	261	273	184
17	605	2470	3150	3110	2980	28500	13800	2900	1250	261	300	206
18	588	2050	2860	3960	2690	40500	14100	4760	1200	252	285	227
19	565	1740	2570	4020	2510	35200	13800	3950	1130	238	266	210
20	560	1530	2280	3620	2730	28700	9180	4420	1330	254	244	198
21	548	1400	2060	3540	2650	38200	7250	4450	808	249	242	208
22	537	1440	1910	7190	2530	42600	5900	3870	672	298	222	218
23	612	11000	2950	13400	2380	35200	4870	6210	634	649	204	233
24	645	19700	12100	8460	2220	26500	3960	4800	1070	1060	202	231
25	691	20500	15400	7020	2050	20500	3470	4060	1530	1320	196	280
26	658	30300	13800	6520	1860	15500	9380	3630	975	1800	189	394
27	634	26400	12700	5610	1710	12900	7050	2910	790	1430	186	375
28	617	20600	9420	4530	1630	27300	5250	2360	664	1450	187	2370
29	1130	15800	6660	3760	1580	36000	4480	2020	604	1190	264	6010
30	1740	11200	5450	3470	---	29700	3810	1680	1480	873	347	4620
31	1890	---	4660	6160	---	21800	---	1440	---	653	352	---
TOTAL	27864	224560	152560	145250	99480	582680	277220	84340	26239	19044	10736	19894
MEAN	899	7485	4921	4685	3430	18800	9241	2721	875	614	346	663
MAX	1890	30300	15400	13400	9120	42600	27100	6210	1530	1800	822	6010
MIN	537	1140	1790	2780	1580	1440	2630	1210	484	238	186	180
CFSM	.47	3.88	2.55	2.43	1.78	9.75	4.79	1.41	.45	.32	.18	.34
IN.	.54	4.33	2.94	2.80	1.92	11.24	5.35	1.63	.51	.37	.21	.38

CAL YR 1979 TOTAL 1756122 MEAN 4811 MAX 32300 MIN 360 CFSM 2.50 IN 33.88
WTR YR 1980 TOTAL 1669867 MEAN 4562 MAX 42600 MIN 180 CFSM 2.37 IN 32.22

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.91	10.49	18.09	12.54	13.20	8.39	21.81	12.06	8.29	7.50	6.67	6.08
2	7.56	10.22	15.72	11.68	12.37	8.31	19.87	11.48	8.06	7.16	6.44	5.85
3	7.27	10.05	13.69	11.05	11.92	8.25	18.11	11.07	7.83	6.84	6.27	6.07
4	8.70	9.83	12.22	13.14	11.41	8.25	16.50	10.61	7.66	6.62	7.34	5.80
5	8.44	9.22	11.31	11.99	10.89	9.19	14.99	10.15	7.49	6.50	7.23	5.70
6	7.93	8.66	10.68	11.34	10.61	9.93	13.69	9.76	7.33	6.36	6.80	5.84
7	7.33	8.07	10.17	11.25	10.19	13.47	12.66	9.47	7.24	6.24	6.42	5.82
8	7.12	7.66	9.74	12.09	10.05	24.84	12.06	9.21	7.11	6.13	6.30	5.75
9	6.97	9.91	9.39	11.07	18.41	23.33	11.52	8.96	6.98	6.07	6.14	5.63
10	6.91	19.93	9.13	10.63	18.38	21.62	11.03	8.69	6.88	6.07	6.04	5.57
11	6.93	17.23	8.99	13.99	15.67	20.64	10.72	8.51	6.81	6.04	5.95	5.49
12	6.93	14.11	8.90	16.23	14.52	20.79	20.01	8.37	6.73	5.97	5.90	5.43
13	6.85	13.97	11.71	13.21	13.59	22.31	24.47	8.29	6.66	5.92	5.88	5.38
14	6.69	13.38	13.39	12.55	12.62	19.45	25.53	8.21	6.62	5.85	5.85	5.30
15	6.59	12.13	11.54	12.00	11.74	17.87	24.30	8.16	6.56	5.77	5.72	5.29
16	6.48	11.07	11.42	11.39	11.52	17.62	22.90	8.44	6.48	5.68	5.73	5.31
17	6.39	10.11	11.24	11.19	10.97	25.37	21.15	11.14	8.11	5.68	5.84	5.42
18	6.35	9.36	10.77	12.61	10.49	27.74	21.25	14.09	8.14	5.64	5.78	5.53
19	6.29	8.81	10.28	12.71	10.18	26.95	21.15	12.92	7.99	5.58	5.70	5.45
20	6.27	8.43	9.79	12.03	10.54	25.84	18.61	13.60	8.40	5.65	5.61	5.39
21	6.24	8.18	9.37	11.91	10.42	27.41	17.09	13.64	7.34	5.63	5.60	5.44
22	6.21	8.25	9.10	16.33	10.22	28.02	15.68	12.79	7.02	5.83	5.51	5.49
23	6.40	19.51	10.79	20.97	9.95	26.94	14.24	16.06	6.92	6.94	5.42	5.56
24	6.49	24.17	20.20	18.06	9.67	25.42	12.94	14.15	7.78	7.82	5.41	5.55
25	6.60	24.37	21.87	16.86	9.36	23.72	12.12	13.08	8.79	8.38	5.38	5.76
26	6.52	26.85	21.18	16.34	9.02	21.93	18.61	12.39	7.69	9.25	5.34	6.18
27	6.46	26.08	20.66	15.25	8.75	20.78	16.83	11.19	7.30	8.59	5.32	6.11
28	6.42	24.45	18.76	13.55	8.60	25.06	14.78	10.27	7.00	8.64	5.33	9.82
29	7.57	22.71	16.45	12.27	8.50	27.07	13.69	9.67	6.84	8.11	5.69	15.53
30	8.80	20.58	15.06	11.78	---	26.04	12.68	9.06	8.64	7.48	6.01	13.88
31	9.07	---	13.76	15.91	---	24.14	---	8.61	---	6.97	6.03	---
MEAN	7.05	14.26	13.08	13.35	11.51	20.54	17.03	10.78	7.42	6.67	5.96	6.38
MAX	9.07	26.85	21.87	20.97	18.41	28.02	25.53	16.06	8.79	9.25	7.34	15.53
MIN	6.21	7.66	8.90	10.63	8.50	8.25	10.72	8.16	6.48	5.58	5.32	5.29

WTR YR 1980 MEAN 11.17 MAX 28.02 MIN 5.29

02437000 TOMBIGBEE RIVER NR AMORY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-64, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
01...	1035	1110	136	6.7	22.0	30	7.5	2.1	7.5	47	.12
NOV											
15...	1530	3370	97	6.6	10.0	30	9.6	2.6	--	25	.07
FEB											
13...	1345	4380	120	7.3	3.0	4.5	13.2	3.8	--	31	.08
MAR											
03...	1240	1280	115	6.5	5.0	4.5	12.5	3.4	--	47	.08
JUN											
03...	1045	1100	110	7.1	25.0	57	8.3	3.0	--	43	.05
JUL											
07...	1130	411	148	7.3	31.0	14	7.2	4.0	--	49	.02
AUG											
04...	1250	1190	250	7.4	28.0	230	6.0	6.0	--	96	1.1
SEP											
09...	1315	249	115	6.9	29.5	8.0	8.3	2.7	--	26	.07

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
01...	.040	.16	.100	.12	.33	.43	.59	2.6	.140	.43	.060
NOV											
15...	.010	.08	.060	.07	.45	.51	.59	2.6	.100	.31	.030
FEB											
13...	.010	.09	.020	.02	.45	.47	.56	2.5	.120	.37	.030
MAR											
03...	.010	.09	.020	.02	.38	.40	.49	2.2	.070	.21	.030
JUN											
03...	.010	.06	.050	.06	.62	.67	.73	3.2	.230	.71	.040
JUL											
07...	.040	.06	.160	.19	.34	.50	.56	2.5	.110	.34	.030
AUG											
04...	.410	1.5	.080	.10	1.7	1.8	3.3	15	.830	2.5	.070
SEP											
09...	.010	.08	.070	.08	.33	.40	.48	2.1	.070	.21	.000

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 mi (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 mi (2.4 km) east of Aberdeen, 2.0 mi (3.2 km) downstream from Matubby Creek, 6 mi (10 km) downstream from Halfway Creek, and 13.3 mi (21.4 km) upstream from McKinley Creek.

DRAINAGE AREA.--2,171 mi² (5,623 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Daily mean gage-heights published since October 1971. Gage-height records collected at site 1.3 mi (2.1 km) upstream since 1909 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 mi (2.1 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 3,358 ft³/s (95.10 m³/s), 21.00 in/yr (533 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft³/s (3,480 m³/s) Mar. 18, 1973, gage height, 45.02 ft (13.722 m); maximum gage height, 45.3 ft (13.81 m) Mar. 23, 1955, at former site; minimum discharge, 58 ft³/s (1.64 m³/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Apr. 20, 1892, reached a stage of 44.8 ft (13.6 m) at former site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,300 ft³/s (1,140 m³/s) Mar. 23, gage height, 38.79 ft (11.823 m); minimum, 209 ft³/s (5.92 m³/s) Sept. 15, gage height, 6.44 ft (1.966 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	2320	14100	4830	6060	1790	23500	3780	1430	1260	632	405
2	1130	2550	11700	3880	4580	1770	17000	3320	1290	840	549	382
3	980	2340	9050	3420	3940	1720	13200	3010	1190	721	492	354
4	1110	2290	5900	4340	3610	1710	10900	2740	1100	624	724	403
5	1840	2030	3760	4760	3280	1970	8770	2450	1030	564	883	329
6	1380	1730	3110	3860	3070	2750	6610	2200	965	523	743	325
7	1130	1450	2760	3510	2890	4030	4920	1980	903	480	559	341
8	954	1220	2470	4080	2660	13500	3940	1850	846	448	485	327
9	878	1560	2260	3700	6490	19100	3360	1710	790	421	441	309
10	834	7440	2090	3240	9270	17900	3170	1580	740	412	410	279
11	834	9220	1990	4700	8900	15200	3190	1480	708	408	375	268
12	826	8000	1920	7750	7320	14300	11200	1410	671	397	360	253
13	816	6030	2640	6630	5830	16200	17600	1410	645	377	333	240
14	764	5120	5180	4820	4660	15100	26500	1370	619	362	360	227
15	718	4240	4000	4000	3940	12500	27800	1300	599	343	329	211
16	680	3450	3460	3540	3640	10800	23500	1380	572	323	333	215
17	641	2810	3400	3270	3460	14900	18400	2700	711	307	348	224
18	617	2290	3130	4690	3060	31700	15100	5580	1450	311	352	258
19	603	1960	2820	5220	2820	36900	14500	4840	1320	291	329	255
20	591	1720	2520	4200	2870	35000	13100	4430	1390	293	309	242
21	579	1570	2260	3800	2980	37100	11000	4720	1360	305	293	238
22	569	1540	2080	5620	2820	39200	9060	4580	849	335	291	245
23	581	6420	2120	10200	2670	39500	7200	6070	765	490	297	258
24	660	12700	6550	11100	2490	36000	5140	6210	1170	869	253	268
25	699	16400	10300	9910	2310	30400	3970	4870	1830	1220	247	277
26	706	21700	11800	8550	2140	22600	7420	3860	1220	1270	238	358
27	672	26200	12200	7550	1980	17200	8560	3220	941	1650	231	434
28	658	25100	11800	6160	1890	21100	7680	2570	793	1370	229	703
29	771	21100	10500	4570	1840	32400	6090	2200	703	1190	247	4810
30	1490	17100	8530	3720	---	34700	4560	1900	974	1000	350	4750
31	1660	---	6610	5930	---	30900	---	1620	---	762	386	---
TOTAL	27671	219600	173010	165550	113470	609940	336940	92340	29574	20166	12408	18188
MEAN	893	7320	5581	5340	3913	19680	11230	2979	986	651	400	606
MAX	1840	26200	14100	11100	9270	39500	27800	6210	1830	1650	883	4810
MIN	569	1220	1920	3240	1840	1710	3170	1300	572	291	229	211
CFSM	.41	3.37	2.57	2.46	1.80	9.07	5.17	1.37	.45	.30	.18	.28
IN.	.47	3.76	2.96	2.84	1.94	10.45	5.77	1.58	.51	.35	.21	.31

CAL YR 1979 TOTAL 1852676 MEAN 5076 MAX 32300 MIN 390 CFSM 2.34 IN 31.75
WTR YR 1980 TOTAL 1818857 MEAN 4970 MAX 39500 MIN 211 CFSM 2.29 IN 31.17

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.32	12.24	31.45	18.40	20.97	10.89	35.51	16.72	11.02	10.50	8.38	7.43
2	8.75	12.87	28.01	16.29	17.84	10.83	33.07	15.75	10.63	9.15	8.05	7.32
3	8.23	12.32	25.53	15.17	16.43	10.70	30.58	15.04	10.30	8.72	7.81	7.19
4	8.62	12.17	20.56	17.28	15.64	10.66	28.17	14.43	10.03	8.35	8.71	7.42
5	10.90	11.43	15.98	18.24	14.82	11.40	25.47	13.74	9.81	8.11	9.30	7.07
6	9.46	10.57	14.40	16.23	14.31	13.50	22.05	13.12	9.58	7.94	8.79	7.05
7	8.63	9.69	13.52	15.40	13.85	16.23	19.00	12.56	9.37	7.76	8.09	7.13
8	7.99	8.94	12.80	16.74	13.28	30.61	17.05	12.22	9.17	7.62	7.78	7.06
9	7.70	9.89	12.22	15.86	21.43	34.16	15.82	11.84	8.97	7.50	7.59	6.97
10	7.53	23.03	11.74	14.72	25.84	33.60	15.40	11.48	8.79	7.46	7.45	6.82
11	7.53	25.64	11.45	17.90	25.36	32.13	15.45	11.18	8.67	7.44	7.29	6.76
12	7.50	24.01	11.25	23.79	23.14	31.43	27.65	10.97	8.53	7.39	7.22	6.68
13	7.46	20.82	13.13	21.99	20.54	32.69	33.48	10.99	8.43	7.30	7.09	6.61
14	7.25	18.95	19.18	18.38	18.02	32.04	36.36	10.85	8.33	7.23	7.22	6.54
15	7.06	17.01	16.54	16.55	16.41	29.98	36.64	10.65	8.25	7.14	7.07	6.45
16	6.90	15.18	15.28	15.47	15.74	27.98	35.54	10.88	8.14	7.04	7.09	6.47
17	6.74	13.59	15.13	14.80	15.27	31.33	33.85	14.25	8.64	6.96	7.16	6.52
18	6.64	12.29	14.45	18.09	14.27	37.39	32.03	20.22	11.08	6.98	7.18	6.71
19	6.58	11.35	13.69	19.27	13.68	38.34	31.58	18.85	10.71	6.88	7.07	6.69
20	6.53	10.68	12.92	16.99	13.79	38.07	30.48	18.05	10.92	6.89	6.97	6.62
21	6.48	10.24	12.23	16.11	14.07	38.36	28.28	18.62	10.82	6.95	6.89	6.60
22	6.44	10.15	11.72	19.81	13.68	38.65	25.85	18.33	9.18	7.10	6.88	6.64
23	6.49	20.89	11.82	26.99	13.30	38.69	22.99	21.10	8.88	7.78	6.91	6.71
24	6.82	29.90	21.57	28.08	12.84	38.20	19.40	21.35	10.15	9.25	6.68	6.75
25	6.98	33.20	27.16	26.64	12.38	37.17	17.11	18.90	12.15	10.38	6.65	6.81
26	7.01	35.79	29.04	24.91	11.90	35.24	23.30	16.90	10.37	10.52	6.60	7.21
27	6.87	37.19	29.39	23.49	11.44	33.19	25.21	15.52	9.50	11.65	6.56	7.56
28	6.81	36.89	28.95	21.16	11.18	34.66	23.84	14.02	8.98	10.86	6.55	8.50
29	7.26	35.59	27.33	17.83	11.02	37.57	21.10	13.12	8.65	10.30	6.65	18.78
30	9.83	33.69	24.86	15.92	---	38.02	18.30	12.35	9.56	9.70	7.17	18.67
31	10.37	---	21.97	20.66	---	37.29	---	11.58	---	8.87	7.34	---
MEAN	7.70	19.21	18.58	19.01	15.95	29.71	26.02	14.70	9.59	8.31	7.36	7.72
MAX	10.90	37.19	31.45	28.08	25.84	38.69	36.64	21.35	12.15	11.65	9.30	18.78
MIN	6.44	8.94	11.25	14.72	11.02	10.66	15.40	10.65	8.14	6.88	6.55	6.45

CAL YR 1979 MEAN 16.43 MAX 37.84 MIN 5.77
WTR YR 1980 MEAN 15.31 MAX 38.69 MIN 6.44

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
01...	1250	1290	135	6.7	22.5	20	7.9	1.7	6.6	45	.14
NOV											
16...	1030	1380	89	7.3	9.5	35	9.7	2.7	--	24	.09
FEB											
13...	1500	5640	110	7.4	2.5	15	13.0	3.0	--	68	.15
MAR											
03...	1335	1740	116	6.4	5.0	5.5	12.4	2.3	--	40	.11
JUN											
03...	1200	1180	110	6.7	25.0	19	8.3	2.8	--	32	.06
JUL											
07...	1300	476	120	7.5	32.5	13	7.8	2.7	--	47	.00
AUG											
04...	1530	663	97	6.9	27.0	70	7.4	4.9	--	29	.33
SEP											
08...	1645	321	100	7.9	29.0	2.5	8.5	3.9	--	29	.04

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
01...	.010	.15	.060	.07	.24	.30	.45	2.0	.090	.28	.040
NOV											
16...	.010	.10	.070	.08	.39	.46	.56	2.5	.110	.34	.050
FEB											
13...	.020	.17	.080	.10	.34	.42	.59	2.6	.120	.37	.020
MAR											
03...	.000	.11	.000	.00	.36	.36	.47	2.1	.090	.28	.020
JUN											
03...	.010	.07	.040	.05	.28	.32	.39	1.7	.100	.31	.020
JUL											
07...	.010	.01	.130	.16	.34	.47	.48	2.1	.090	.28	.010
AUG											
04...	.020	.35	.170	.21	.23	.40	.75	3.3	.260	.80	.030
SEP											
08...	.010	.05	.060	.07	.70	.76	.81	3.6	.070	.21	.010

02437560 NICHOLS CREEK NR ABERDEEN, MS

LOCATION.--Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 45, 0.1 mi (0.2 km) northwest of intersection of U.S. Highway 45 and State Highways 8/25, and 3.1 mi (5.0 km) southeast of Aberdeen.

DRAINAGE AREA.--24.1 mi² (62.4 km²).

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
01...	1145	10	45	6.4	22.0	6.0	7.9	1.4	4.4	12	.07
NOV											
16...	1100	21	34	6.1	12.0	40	9.1	2.8	--	6	.05
FEB											
14...	1030	36	32	6.4	4.0	5.0	12.4	1.3	--	7	.06
AUG											
04...	1415	6.7	42	6.4	25.5	55	8.5	4.7	--	11	.15
SEP											
09...	1130	4.1	38	6.8	24.5	4.4	7.7	2.5	--	17	.11

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
01...	.000	.07	.030	.04	.04	.07	.14	.62	.020	.06	.020
NOV											
16...	.010	.06	.050	.06	.22	.27	.33	1.5	.070	.21	.020
FEB											
14...	.010	.07	.020	.02	.27	.29	.36	1.6	.030	.09	.010
AUG											
04...	.010	.16	.050	.06	.00	.05	.21	.90	.070	.21	.020
SEP											
09...	.010	.12	.030	.04	.27	.30	.42	1.9	.020	.06	.000

02437600 JAMES CREEK AT ABERDEEN, MS

LOCATION.--Lat 33°48'48", long 88°33'59", in SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, 0.8 mi (1.3 km) southwest of Aberdeen, and 1.5 mi (2.4 km) southwest of intersection of State Highway 25 and State Highway 8/U.S. Highway 45.

DRAINAGE AREA.--28.4 mi² (73.6 km²).

Period of Record.--Water years 1963, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CaCO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
01...	1315	.05	800	7.4	26.0	1.0	7.6	1.6	3.9	220	.00
NOV											
16...	0830	6.0	510	7.6	8.0	8.0	10.4	2.8	--	190	1.3
FEB											
14...	1245	7.8	368	7.3	7.5	5.0	12.8	1.0	--	140	.40
AUG											
04...	1400	.00	--	--	--	--	--	--	--	--	--
SEP											
08...	1615	.00	--	--	--	--	--	--	--	--	--

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
01...	.010	.01	.040	.05	.21	.25	.26	1.2	.090	.28	.080
NOV											
16...	.010	1.3	.040	.05	.49	.53	1.8	8.1	.080	.25	.060
FEB											
14...	.010	.41	.000	.00	.47	.47	.88	3.9	.080	.25	.040
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi (16.1 km) downstream from Sipsey Creek, and 13.7 mi (22.0 km) southeast of Aberdeen.

DRAINAGE AREA.--798 mi² (2,067 km²), revised.

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 1,496 ft³/s (42.34 m³/s), 25.46 in/yr (647 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973, gage height, 23.48 ft (7.157 m), observed at crest; minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972, gage height, 4.26 ft (1.298 m).

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Floods in 1892 and 1893 reached stages of 21 ft (6.4 m), and floods Feb. 4, 1951, and Mar. 30, 1951, reached stages of 19.46 ft (5.931 m) and 19.56 ft (5.692 m), respectively, from information by local residents; flood of April 12, 1962, reached a stage of 19.01 ft (5.794 m), from floodmark; all at present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 12	2300	7690	218	14.93	4.551	Mar. 26	1900	7040	199	14.66	4.468
Nov. 26	2200	6520	185	14.43	4.398	Mar. 29	2200	19200	544	17.99	5.483
Mar. 10	0100	15800	447	17.34	5.285	Apr. 15	0800	13700	388	16.85	5.136
Mar. 15	0700	6410	182	14.38	4.383	May 19	1800	8860	251	15.39	4.691
Mar. 19	0500	*21400	606	18.39	5.605	May 25	1300	7200	204	14.73	4.490
Mar. 22	1900	15300	433	17.23	5.252						

Minimum discharge, 177 ft³/s (5.01 m³/s) Aug. 28, Sept. 17, 18, gage height, 4.86 ft (1.481 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	564	864	2180	1490	2240	881	6160	2030	1140	1060	274	264
2	519	1640	1690	1330	2280	875	4550	1730	1030	744	262	231
3	487	2170	1460	1210	1890	871	3480	1530	929	551	254	229
4	463	2510	1300	1390	1630	838	2900	1390	854	471	295	305
5	570	1660	1200	1870	1480	954	2560	1270	792	425	316	329
6	680	993	1160	1950	1380	1330	2270	1160	744	396	316	264
7	530	834	1130	1640	1310	1660	1990	1090	697	373	270	262
8	450	752	1070	1550	1230	2740	1810	1010	655	354	250	244
9	407	912	987	1600	1640	8520	1680	950	622	345	238	223
10	385	2270	921	1470	2340	12900	1550	892	593	338	254	235
11	387	3250	887	1540	2840	7350	1440	841	565	345	252	212
12	409	6140	871	2020	2860	4920	3740	808	540	332	270	198
13	380	6460	972	2350	2310	4450	8010	789	510	308	291	189
14	353	3590	1470	2100	1840	5370	12500	772	487	291	254	187
15	330	2010	1700	1750	1600	6050	12800	760	468	278	242	186
16	314	1440	1390	1530	1540	4300	8810	818	448	266	272	180
17	308	1240	1230	1400	1610	4760	6140	1750	430	256	272	179
18	306	1120	1120	2030	1470	10800	4290	3480	430	244	246	179
19	303	1030	1010	2650	1310	18800	3310	7370	505	250	289	194
20	297	961	973	3040	1280	10500	2830	7020	518	254	274	207
21	292	905	947	3270	1310	9050	2420	4270	516	252	235	196
22	290	867	914	2890	1260	12300	2090	3050	489	284	216	194
23	314	1240	915	3280	1190	10900	1830	2780	451	408	203	198
24	427	2380	1310	4410	1110	7510	1640	3870	510	676	194	196
25	463	3690	2140	5630	1040	6160	1550	6610	1050	551	189	198
26	380	5920	2690	4370	979	6630	2250	5290	868	448	187	286
27	342	6040	2820	2970	919	5970	3040	3150	619	359	184	947
28	326	6040	2190	2320	892	7540	4190	2100	510	327	179	576
29	326	5150	1630	1900	885	13800	3600	1600	468	321	214	1100
30	382	3190	1470	1640	---	14300	2510	1400	679	314	433	1960
31	561	---	1540	1840	---	8240	---	1280	---	291	338	---
TOTAL	12545	77268	43287	70430	45665	211269	117940	72860	19117	12112	7963	10348
MEAN	405	2576	1396	2272	1575	6815	3931	2350	637	391	257	345
MAX	680	6460	2820	5630	2860	18800	12800	7370	1140	1060	433	1960
MIN	290	752	871	1210	885	838	1440	760	430	244	179	179
CFSM	.51	3.23	1.75	2.85	1.97	8.54	4.93	2.95	.80	.49	.32	.43
IN.	.58	3.60	2.02	3.28	2.13	9.85	5.50	3.40	.89	.56	.37	.48

CAL YR 1979 TOTAL 656770 MEAN 1799 MAX 17000 MIN 234 CFSM 2.25 IN 30.62
WTR YR 1980 TOTAL 700804 MEAN 1915 MAX 18800 MIN 179 CFSM 2.40 IN 32.67

02439600 BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS

LOCATION.--Lat 33°40'24", long 88°25'45", in SW¼ sec.16, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160103, at downstream side of bridge on U.S. Highway 45, 1.8 mi (2.9 km) northwest of Kolola Springs, and at mile 8.6 (13.8 km).

DRAINAGE AREA.--855 mi² (2,214 km²), revised.

PERIOD OF RECORD.--Water years 1963-64, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
02...	0915	570	36	6.5	20.5	15	7.9	2.6	4.9	7	.18
NOV											
16...	1300	1600	30	5.2	10.5	15	8.8	1.1	--	1	.14
FEB											
12...	1615	2700	28	6.0	3.0	10	12.6	2.3	--	8	.13
AUG											
05...	1100	330	30	6.4	26.5	15	7.3	3.6	--	8	.16
SEP											
09...	0945	240	39	6.5	26.5	10	7.1	2.3	--	12	.21

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
02...	.010	.19	.030	.04	.00	.02	.21	.93	.020	.06	.010
NOV											
16...	.000	.14	.030	.04	.23	.26	.40	1.8	.040	.12	.030
FEB											
12...	.010	.14	.010	.01	.39	.40	.54	2.4	.030	.09	.020
AUG											
05...	.000	.16	.000	.00	.01	.01	.17	.75	.030	.09	.010
SEP											
09...	.010	.22	.030	.04	.16	.19	.41	1.8	.010	.03	.000

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi (1.1 km) north of Tibbee, 4.5 mi (7.2 km) upstream from Magee Creek, 5.0 mi (8.0 km) south of West Point, and 9.8 mi (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--926 mi² (2,398 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 1,343 ft³/s (38.03 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973, gage height, 32.26 ft (9.833 m); no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	2130	29700	841	26.84	8.181	Mar. 18	2330	34400	974	27.42	8.358
Jan. 24	1230	11000	312	23.15	7.056	Mar. 22	0600	18500	524	25.06	7.638
Mar. 10	0515	19200	544	25.23	7.690	Mar. 29	1345	31000	878	27.00	8.230
Mar. 14	1245	14700	416	24.19	7.373	Apr. 14	1130	*37800	1070	27.80	8.473

Minimum discharge, 0.60 ft³/s (0.017 m³/s) Aug. 28, 30, 31, Sept. 1, 2, gage height, 1.15 ft (0.351 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	210	4400	925	3960	278	9660	735	179	167	40	.65
2	206	327	1420	729	3890	300	6450	587	154	139	32	.79
3	175	310	749	612	2060	289	4090	554	134	112	26	1.9
4	680	201	614	1590	999	269	1920	580	120	95	34	2.1
5	1000	143	544	2410	810	520	1070	501	110	81	62	1.4
6	608	115	507	1870	824	917	774	389	103	73	30	1.6
7	327	101	476	945	866	1130	652	327	94	63	21	8.0
8	217	91	437	1400	729	3640	585	292	83	55	18	6.1
9	169	814	356	1810	3160	10000	527	264	81	50	14	4.9
10	150	3870	308	1220	6790	17700	465	231	73	48	12	3.7
11	133	5740	292	2450	8320	10700	419	202	66	43	11	2.9
12	127	6250	283	5210	7890	6710	4430	189	62	38	9.0	2.2
13	118	5690	564	6550	4840	8580	22900	177	58	34	14	1.5
14	102	2960	1850	6120	1650	13900	36100	189	68	31	43	1.4
15	90	621	2080	4010	906	11000	24900	239	87	28	20	1.2
16	80	425	1110	1210	891	6640	14300	481	77	27	12	1.0
17	75	351	924	801	934	6660	8390	2850	68	25	12	1.1
18	72	303	701	1990	699	24600	5520	4640	75	24	19	1.0
19	69	268	527	2900	594	28900	3820	3870	204	20	18	.95
20	66	237	465	1680	574	16500	4090	2650	882	16	16	1.0
21	64	217	420	924	572	14700	4650	1600	1560	13	12	1.1
22	62	258	385	2520	532	17900	2810	782	1470	13	3.9	1.1
23	66	2470	373	6850	501	14200	927	1980	397	16	1.7	1.6
24	92	7830	1460	10600	450	10200	679	2780	287	19	1.3	3.1
25	99	19700	3670	8800	400	8090	901	2860	1810	28	1.0	4.2
26	91	27300	4990	6230	358	7680	4960	958	2520	25	.88	3.7
27	82	26200	5520	3620	315	6690	8620	580	2490	19	.74	2.5
28	76	19000	4020	2350	289	10400	8110	442	667	62	.66	18
29	77	12200	1170	1500	280	29100	6100	323	286	71	.92	145
30	114	7330	825	1050	---	25200	2740	281	211	62	.62	831
31	158	---	1070	2430	---	16000	---	238	---	49	.68	---
TOTAL	5687	151532	42510	93306	54283	329393	191559	32771	14476	1546	487.40	1056.69
MEAN	183	5051	1371	3010	1872	10630	6385	1057	483	49.9	15.7	35.2
MAX	1000	27300	5520	10600	8320	29100	36100	4640	2520	167	62	831
MIN	62	91	283	612	280	269	419	177	58	13	.62	.65
CFSM	.20	5.46	1.48	3.25	2.02	11.5	6.90	1.14	.52	.05	.02	.04
IN.	.23	6.09	1.71	3.75	2.18	13.23	7.70	1.32	.58	.06	.02	.04

CAL YR 1979 TOTAL 883661.00 MEAN 2421 MAX 27600 MIN 22 CFSM 2.61 IN 35.50
WTR YR 1980 TOTAL 918607.09 MEAN 2510 MAX 36100 MIN .62 CFSM 2.71 IN 36.90

02441400 TOMBIGBEE RIVER NR COLUMBUS, MS

LOCATION.--Lat 33°29'40", long 88°27'40", in SW¼ sec.18, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 82 By-pass, 1.7 mi (2.7 km) upstream from bridge on U.S. Highway 45E and 82, 1.6 mi (2.6 km) west of Columbus, and at mile 321.7 (517.6 km).

DRAINAGE AREA.--4,451 mi² (11,528 km²), revised.

PERIOD OF RECORD.--Water years 1974-76, 1978 to current year.

REMARKS.--Stream discharge determined 2.0 mi (3.2 km) downstream (station 02441500). In water years 1958-59, 1961-65, 1967, and 1971-74, equivalent data was collected 2.0 mi (3.2 km) downstream (station 02441500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
02...	0730	2540	135	6.7	22.0	25	7.5	2.6	6.0	41	.14
NOV											
14...	1500	15100	87	6.1	10.5	40	7.6	3.2	--	21	.11
FEB											
12...	1100	22300	110	6.8	1.5	22	13.1	2.7	--	34	.15
MAR											
03...	1600	3100	116	6.3	7.0	8.0	12.4	3.0	--	41	.14
JUN											
03...	1330	2900	100	7.6	25.0	11	9.1	2.6	--	25	.10
JUL											
07...	1430	990	130	8.0	33.0	13	8.9	2.5	--	32	.10
AUG											
05...	0930	2300	135	7.2	29.0	18	7.5	5.8	--	32	.10
SEP											
09...	0845	2100	120	7.1	29.0	9.1	6.8	3.5	--	23	.10

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
02...	.020	.16	.050	.06	.00	.04	.20	.89	.120	.37	.060
NOV											
14...	.010	.12	.060	.07	.57	.63	.75	3.3	.140	.43	.050
FEB											
12...	.020	.17	.050	.06	.68	.73	.90	4.0	.170	.52	.070
MAR											
03...	.020	.16	.000	.00	.44	.44	.60	2.7	.070	.21	.030
JUN											
03...	.010	.11	.050	.06	.37	.42	.53	2.3	.070	.21	.020
JUL											
07...	.020	.12	.150	.18	.42	.57	.69	3.1	.070	.21	.010
AUG											
05...	.020	.12	.060	.07	.36	.42	.54	2.4	.080	.25	.030
SEP											
09...	.020	.12	.130	.16	.40	.53	.65	2.9	.100	.31	.000

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highway 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 mi (3.7 km) upstream from Luxapallila Creek, 6.7 mi (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,463 mi² (11,560 km²).

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area, WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-03, 1950.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft (39.292 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 mi (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) NGVD.

REMARKS.--Records good prior to Dec. 27, 1979, and poor thereafter. Some regulation by Columbus Lock and Dam construction upstream.

AVERAGE DISCHARGE.--65 years, 6,575 ft³/s (186.2 m³/s), 20.01 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s (5,490 m³/s) Mar. 19, 1973, gage height, 42.22 ft (12.869 m); minimum, 138 ft³/s (3.91 m³/s) Sept. 20, 1954; minimum gage height observed, -0.1 ft (-0.030 m) Oct. 9-12, 1911, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m), discharge 278,000 ft³/s (7,870 m³/s) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 87,600 ft³/s (2,480 m³/s) Mar. 22, gage height 35.56 ft (10.839 m); minimum daily discharge, 620 ft³/s (17.6 m³/s) Sept. 18, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2880	3380	41200	11700	14700	3040	70700	11200	3800	2050	945	1100
2	2490	4520	31100	8810	14000	2960	58000	7950	3300	1560	890	1300
3	2190	5250	20400	6340	11300	3120	45900	6780	2900	1680	860	1200
4	2750	5150	13100	8020	8680	3280	33800	6040	2550	1290	895	995
5	3830	4850	8380	9980	7330	3560	24300	5320	2300	1100	970	895
6	3660	4350	6020	9400	6600	4980	17300	4660	2100	920	1120	920
7	2920	3340	5220	7660	6300	6180	12400	4080	1900	870	970	995
8	2340	2750	4740	7660	6000	14900	9570	3620	1750	845	870	1050
9	1950	3130	4360	8230	10500	21000	8160	3180	1630	795	920	1290
10	1750	13300	3990	6960	18000	27800	7410	2960	1510	795	845	1340
11	1670	16200	3710	8740	21500	33900	6900	2660	1440	645	845	1170
12	1670	18000	3540	16500	22200	37600	20900	2480	1350	770	845	995
13	1680	17500	4260	17000	19300	40500	36000	2260	1270	695	870	1150
14	1720	15600	8350	15900	13600	40500	56800	2500	1210	745	895	1120
15	1650	11200	9310	12700	9350	38800	71800	2740	1160	670	895	970
16	1360	7500	7710	8070	7870	34600	71100	2840	1110	670	820	920
17	1260	5400	6430	5900	7350	33900	61500	11300	1060	695	870	745
18	1200	4420	5860	9060	6740	41700	50400	20800	1400	695	820	620
19	1200	3830	5140	11800	6100	53700	39700	21400	2000	970	820	745
20	1230	3370	4600	11100	5620	68500	30700	21100	3400	1070	820	845
21	1240	3040	4300	9170	5660	83300	25900	16000	4220	1320	770	720
22	1150	2860	4130	12900	5440	86000	21900	12500	3400	1630	645	820
23	1080	7680	3790	23500	5120	81900	16600	13000	2300	1820	695	770
24	1160	19800	7320	25800	4700	80100	12200	15000	2180	2000	820	670
25	1280	25900	13600	26800	4220	74200	9480	16000	4340	2280	795	720
26	1410	36400	16500	25700	3840	64000	20700	15000	4920	2320	795	620
27	1360	45400	18600	22500	3560	53400	24700	12000	4580	2420	820	745
28	1250	51600	19600	17400	3320	52400	24900	9200	3020	2280	820	1250
29	1250	52600	18000	12700	3100	58900	22500	7190	1700	2180	800	3000
30	1520	48900	15900	9280	---	70700	17700	5420	1490	1340	860	6470
31	2400	---	14000	12300	---	77400	---	4400	---	1170	920	---
TOTAL	56500	447220	333160	399580	262000	1296820	929920	271580	71290	40290	26525	36150
MEAN	1823	14910	10750	12890	9034	41830	31000	8761	2376	1300	856	1205
MAX	3830	52600	41200	26800	22200	86000	71800	21400	4920	2420	1120	6470
MIN	1080	2750	3540	5900	3100	2960	6900	2260	1060	645	645	620
CFSM	.41	3.34	2.41	2.89	2.02	9.37	6.95	1.96	.53	.29	.19	.27
IN.	.47	3.73	2.78	3.33	2.18	10.81	7.75	2.26	.59	.34	.22	.30

CAL YR 1979 TOTAL 4046340 MEAN 11090 MAX 78100 MIN 892 CFSM 2.49 IN 33.73
WTR YR 1980 TOTAL 4171035 MEAN 11400 MAX 86000 MIN 620 CFSM 2.55 IN 34.77

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.59	5.10	25.40	12.05	14.64	8.42	33.50	12.78	---	7.93	8.02	7.75
2	4.16	6.24	21.65	10.65	14.27	8.38	31.36	11.41	---	7.71	8.05	7.80
3	3.82	6.93	16.85	9.58	12.84	8.46	28.21	10.76	---	7.77	8.03	7.91
4	4.42	6.84	12.92	10.99	11.38	8.54	24.14	10.36	---	7.61	8.02	7.96
5	5.55	6.56	9.45	12.10	10.63	8.68	19.62	10.00	---	7.53	8.09	7.97
6	5.38	6.07	7.60	11.78	---	9.39	15.97	9.67	---	7.46	8.10	8.01
7	4.62	5.06	6.90	10.81	---	9.99	13.41	9.38	---	7.44	8.03	8.02
8	3.99	4.44	6.46	10.81	---	14.71	11.87	9.15	---	7.43	7.99	8.00
9	3.55	4.78	6.08	11.13	---	17.95	11.09	8.93	---	7.41	7.99	7.92
10	3.31	12.98	5.71	10.42	---	21.35	10.67	8.82	---	7.41	7.95	7.76
11	3.21	14.73	5.43	11.35	---	24.20	10.39	8.67	---	7.35	7.96	7.56
12	3.21	15.66	5.26	15.60	---	25.56	17.64	8.58	---	7.40	8.00	7.49
13	3.23	15.42	5.96	15.85	17.06	26.57	24.96	8.47	---	7.37	8.02	7.55
14	3.27	14.40	9.42	15.28	14.03	26.58	31.08	8.59	---	7.39	8.04	7.54
15	3.19	11.53	10.16	13.55	11.75	26.00	33.68	8.71	---	7.36	8.05	7.48
16	2.81	8.77	8.93	11.02	10.93	24.46	33.57	8.76	---	7.36	8.00	7.46
17	2.67	7.06	7.94	9.85	10.64	24.20	32.06	12.68	---	7.37	7.90	7.39
18	2.59	6.14	7.47	11.57	10.30	26.94	29.51	17.83	---	7.37	7.85	7.33
19	2.59	5.55	6.83	13.09	9.95	30.36	26.25	18.17	---	7.48	7.87	7.39
20	2.63	5.09	6.32	12.70	9.71	33.17	22.81	---	---	7.52	7.87	7.43
21	2.64	4.76	6.02	11.65	9.73	35.10	20.44	---	9.01	7.62	7.86	7.38
22	2.51	4.57	5.85	13.59	9.62	35.40	18.41	---	8.60	7.75	7.81	7.42
23	2.42	8.62	5.51	19.25	9.46	34.99	15.61	---	8.05	7.83	7.78	7.40
24	2.53	16.55	8.50	20.40	9.25	34.76	13.29	---	7.98	7.91	7.77	7.36
25	2.70	19.48	13.24	20.88	9.01	33.99	11.82	---	9.07	8.04	7.72	7.38
26	2.88	23.69	14.88	20.33	8.82	32.48	17.73	---	9.36	8.06	7.69	7.34
27	2.81	26.53	15.96	18.73	8.68	30.33	19.83	---	9.19	8.11	7.66	7.39
28	2.66	28.05	16.49	16.05	8.56	30.11	19.93	---	8.41	8.04	7.66	7.59
29	2.66	28.26	15.68	13.59	8.45	31.56	18.74	10.55	7.78	7.99	7.71	8.39
30	3.01	27.41	14.53	11.71	---	33.49	16.20	9.61	7.69	8.13	7.73	10.15
31	4.05	---	13.46	13.34	---	34.42	---	---	---	8.04	7.73	---
MEAN	3.38	11.91	10.41	13.54	---	24.21	21.13	---	---	7.65	7.90	7.72
MAX	5.55	28.26	25.40	20.88	---	35.40	33.68	---	---	8.13	8.10	10.15
MIN	2.42	4.44	5.26	9.58	---	8.38	10.39	---	---	7.35	7.66	7.33

CAL YR 1979 MEAN 10.16 MAX 35.15 MIN 2.02

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft (53 m) upstream from bridge on county highway (formerly State Highway 50), 0.6 mi (1.0 km) upstream from Magby Creek, 1.4 mi (2.3 km) upstream from U.S. Highway 82 and 6.2 mi (10.0 km) upstream from mouth.

DRAINAGE AREA.--715 mi² (1,852 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to current year.

REVISED RECORDS.--WSP 1304: 1929, 1930 (Monthly values only).

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft (43.352 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--Records fair. About 7 ft³/s (0.2 m³/s) is diverted upstream from station for municipal water supply for city of Columbus.

AVERAGE DISCHARGE.--8 years, 1,327 ft³/s (37.58 m³/s), 25.20 in/yr (640 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s (1,140 m³/s) Apr. 14, 1979, gage height, 32.35 ft (9.860 m); minimum, since October 1974, 67 ft³/s (1.90 m³/s) Sept. 11, 1978, gage height, 7.25 ft (2.210 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 35.3 ft (10.76 m) April 1892, from information by Corps of Engineers. The flood of January 1949, reached a stage of 32.8 ft (10.00 m) and the flood of December 1961, reached a stage of 31.8 ft (9.69 m), according to information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 19	1130	15800	447	25.32	7.718	Mar. 30	0030	18100	513	26.09	7.952
Mar. 22	1200	17700	501	25.96	7.913	Apr. 14	0730	*28800	816	29.37	8.952

Minimum discharge, 103 ft³/s (2.92 m³/s) Sept. 18, gage height, 7.30 ft (2.225 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	640	1230	1850	1280	2360	716	5920	1640	943	563	172	211
2	557	1820	1320	1160	1930	730	4510	1400	821	596	160	174
3	483	2580	1100	1060	1690	814	3280	1250	726	542	155	162
4	808	1840	987	1420	1490	764	2470	1140	645	444	147	164
5	1000	1390	918	1710	1330	875	2150	1040	579	338	149	174
6	1010	1120	880	1740	1230	1010	1850	950	526	294	155	160
7	827	813	850	1480	1130	1310	1640	862	485	266	151	153
8	640	653	813	1460	1070	1740	1490	796	459	248	145	162
9	498	640	775	1500	1800	2840	1360	734	428	232	141	164
10	436	1750	729	1410	3180	2820	1250	681	395	221	149	166
11	403	2460	697	1660	3590	2350	1180	634	367	213	252	151
12	387	2790	686	2190	2580	2870	3860	600	345	200	202	136
13	366	2140	915	2240	2080	5650	14300	580	324	190	209	125
14	346	1700	1350	1880	1710	7440	27700	748	309	180	200	120
15	326	1320	1590	1560	1460	5460	22000	995	293	170	180	115
16	306	1010	1310	1360	1360	3640	11700	1110	275	162	166	113
17	292	838	1110	1260	1300	4690	5710	3260	261	156	166	112
18	285	744	974	1360	1230	10400	4010	6350	263	156	160	107
19	278	678	865	1580	1140	15400	3040	6710	262	186	155	113
20	273	627	796	1780	1120	11500	2330	4920	299	200	176	134
21	266	590	761	1520	1100	12800	1940	3730	343	204	156	136
22	264	574	723	1840	1080	17300	1690	2910	422	200	141	140
23	282	1140	752	3470	1020	13700	1490	2960	468	209	131	132
24	296	2640	1310	4810	950	8160	1340	4550	594	243	124	131
25	328	3850	2030	4030	889	6700	1320	4860	726	273	117	129
26	321	4600	2330	3140	826	5600	3560	3330	734	266	115	129
27	308	4660	1840	2430	764	4100	5210	2150	596	241	115	153
28	296	4070	1560	2030	731	7800	4280	1580	466	221	115	209
29	296	3210	1320	1700	701	15500	2870	1300	387	202	134	250
30	314	2540	1240	1500	---	16100	2070	1120	447	198	143	466
31	488	---	1280	1890	---	9640	---	1080	---	186	219	---
TOTAL	13620	56017	35661	59450	42841	200419	147520	65970	14188	8000	4900	4791
MEAN	439	1867	1150	1918	1477	6465	4917	2128	473	258	158	160
MAX	1010	4660	2330	4810	3590	17300	27700	6710	943	596	252	466
MIN	264	574	686	1060	701	716	1180	580	261	156	115	107
CFSM	.61	2.61	1.61	2.68	2.07	9.04	6.88	2.98	.66	.36	.22	.22
IN.	.71	2.91	1.86	3.09	2.23	10.43	7.68	3.43	.74	.42	.25	.25

CAL YR 1979 TOTAL 693630 MEAN 1900 MAX 38000 MIN 143 CFSM 2.66 IN 36.09
WTR YR 1980 TOTAL 653377 MEAN 1785 MAX 27700 MIN 107 CFSM 2.50 IN 33.99

02443500 LUXAPALLILA CREEK NR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
02...	0810	563	34	6.4	20.0	10	7.3	1.7	5.2	7	.07
NOV											
14...	1600	1570	28	5.6	10.0	15	8.2	2.4	--	2	.02
FEB											
12...	1500	2490	28	6.9	2.5	8.0	13.0	2.1	--	5	.06
AUG											
05...	0815	149	29	6.5	26.0	9.8	6.9	5.0	--	8	.19
SEP											
09...	0730	168	30	6.6	26.5	9.4	6.9	2.3	--	8	.16

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT											
02...	.000	.07	.030	.04	.25	.28	.35	1.6	.030	.09	.020
NOV											
14...	.000	.02	.020	.02	.28	.30	.32	1.4	.030	.09	.020
FEB											
12...	.010	.07	.010	.01	.21	.22	.29	1.3	.030	.09	.030
AUG											
05...	.000	.19	.000	.00	.03	.03	.22	.97	.030	.09	.000
SEP											
09...	.010	.17	.000	.00	.27	.27	.44	1.9	.010	.03	.000

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi (0.3 km) upstream from Cedar Creek, 1.0 mi (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 mi (2.4 km) downstream from Horse Hunters Creek, and 6.2 mi (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--768 mi² (1,989 km²), revised.

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

REVISED RECORDS.--WSP 1624: 1929-30, 1932. WDR MS-78-1: 1977.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 1,054 ft³/s (29.85 m³/s), 18.64 in/yr (473 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s (3,540 m³/s) Apr. 13, 1979, gage height, 38.97 ft (11.878 m) from floodmark; minimum, 22 ft³/s (0.62 m³/s) Aug. 25, 26, 1943, gage height, 4.89 ft (1.490 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft (10.4 m), present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 ft (9.1 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 30	1600	6450	183	25.17	7.672	Mar. 21	0900	12700	360	28.71	8.751
Jan. 24	2000	6400	181	25.11	7.654	Mar. 24	1500	10200	289	27.86	8.492
Feb. 11	1300	6250	177	24.94	7.602	Mar. 30	2400	14800	419	29.26	8.918
Mar. 14	0300	11300	320	28.27	8.617	Apr. 15	0300	*20200	572	30.34	9.248
Mar. 18	1800	12900	365	28.77	8.769	May 17	2400	5340	151	23.74	7.236

Minimum discharge, 72 ft³/s (2.04 m³/s) Sept. 20, gage height, 5.85 ft (1.783 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	380	232	5970	819	2800	406	9330	3870	362	260	172	101
2	330	294	4760	704	2300	486	7530	3230	326	227	161	102
3	294	263	2870	625	1990	460	6580	1840	301	208	148	106
4	277	275	937	1180	2010	454	5460	1160	282	197	158	124
5	299	286	577	1370	1740	595	3940	840	265	188	130	119
6	315	249	469	1070	1270	721	2010	824	255	176	122	108
7	290	245	385	1050	1090	680	1010	725	242	171	119	103
8	288	221	352	1110	938	1040	805	611	232	168	117	104
9	257	172	335	1060	3570	1590	694	540	249	201	114	102
10	227	340	329	1000	5360	1310	609	478	242	250	112	98
11	213	467	322	2200	6140	1190	563	440	222	218	119	94
12	205	614	313	3480	5400	3240	5310	404	212	176	180	94
13	195	787	697	3420	4410	8360	13200	372	206	159	131	93
14	187	921	1920	2870	4170	10300	17400	451	197	153	116	95
15	182	738	2070	2640	3820	7710	18800	383	189	141	130	94
16	177	478	1790	2790	3060	7060	13000	465	182	133	132	90
17	174	339	1770	3090	1760	9140	9160	3170	180	128	120	87
18	170	287	1550	2750	1140	12100	7400	5050	182	124	116	81
19	167	259	1070	1800	962	10400	6140	4320	280	122	111	80
20	165	240	751	1270	827	9550	4270	2940	447	135	105	75
21	165	225	552	1120	732	12100	1850	2420	620	132	102	88
22	163	220	434	2590	667	10900	846	2500	452	145	98	99
23	159	918	467	5410	632	8910	752	3230	364	187	96	94
24	157	2250	1600	6080	586	9830	663	2750	637	212	93	93
25	139	2810	2190	5900	528	9590	683	1390	1000	178	93	94
26	129	3980	1780	4700	483	8030	3500	968	869	197	92	99
27	138	3530	1600	4560	420	6660	4180	721	683	242	91	104
28	153	3640	1650	4600	375	7670	4310	545	571	319	90	105
29	156	4890	1440	3930	371	11700	3730	432	404	231	91	103
30	155	6310	1200	2630	---	12800	3800	417	312	196	98	113
31	184	---	1010	2690	---	13300	---	397	---	188	99	---
TOTAL	6490	36480	43160	80508	59551	198282	157525	47883	10965	5762	3656	2942
MEAN	209	1216	1392	2597	2053	6396	5251	1545	366	186	118	98.1
MAX	380	6310	5970	6080	6140	13300	18800	5050	1000	319	180	124
MIN	129	172	313	625	371	406	563	372	180	122	90	75
CFSM	.27	1.58	1.81	3.38	2.67	8.33	6.84	2.01	.48	.24	.15	.13
IN.	.31	1.77	2.09	3.90	2.88	9.60	7.63	2.32	.53	.28	.18	.14

CAL YR 1979 TOTAL 854191 MEAN 2340 MAX 110000 MIN 126 CFSM 3.05 IN 41.37
WTR YR 1980 TOTAL 653204 MEAN 1785 MAX 18800 MIN 75 CFSM 2.32 IN 31.64

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi (0.8 km) upstream from Woodards Creek, 1 mi (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi² (2,950 km²), approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 1.44 ft (0.439 m) lower. July 26, 1944 to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Water discharge records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage.

AVERAGE DISCHARGE.--36 years (water years 1939-40, 1944-65, 1966-80), 1,598 ft³/s (45.26 m³/s), 19.04 in/yr (484 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s (4,420 m³/s) Apr. 14, 1979, gage height, 48.58 ft (14.807 m); minimum, 13 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,400 ft³/s (663 m³/s) Apr. 17, gage height, 39.09 ft (11.915 m); minimum daily, 98 ft³/s (2.78 m³/s) Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	620	1130	4910	1640	4130	364	13700	4210	491	388	220	117
2	432	1430	5190	1210	3440	378	15200	4120	449	330	209	117
3	369	471	5390	989	2800	444	14200	4220	411	291	196	115
4	331	325	4140	1230	2370	452	12200	3270	382	266	185	115
5	305	282	1570	1920	2270	623	10300	1790	358	253	184	118
6	305	296	734	1840	2070	991	8720	1140	342	242	178	126
7	325	276	601	1480	1710	1050	5710	1030	334	232	163	126
8	314	250	499	1460	1400	1200	2160	910	320	409	155	120
9	303	270	461	1580	3370	1380	1340	721	307	261	158	117
10	290	383	442	1480	7540	1660	943	592	307	230	151	116
11	268	734	432	2480	7720	1330	760	496	316	266	150	115
12	246	466	425	5230	6990	2360	5920	442	297	274	146	113
13	236	531	525	5150	6210	15800	12400	401	281	242	156	110
14	226	698	1820	4300	5420	16600	17400	373	274	213	179	108
15	218	875	2580	3470	4650	14300	20800	504	266	199	154	108
16	212	776	2530	3030	4290	12200	23000	1370	256	194	143	107
17	210	526	2440	3690	3720	13600	22600	6740	251	184	148	108
18	207	367	2170	4980	2360	15900	19200	10300	248	176	149	106
19	207	312	1880	4090	1470	15000	14900	9550	293	175	141	103
20	201	278	1390	2580	1200	15900	12300	8070	679	182	138	102
21	196	254	1010	1710	1030	18000	9960	6020	997	188	133	101
22	194	238	757	3470	874	17000	7170	4030	708	190	129	100
23	194	1570	612	8470	766	15300	2730	4840	643	211	123	101
24	191	4610	1400	8840	691	15000	1030	5110	626	254	121	108
25	189	5070	3160	7890	615	14400	976	3800	1730	304	119	106
26	187	6560	2880	6950	535	12300	5670	2090	1700	247	117	106
27	176	6400	2280	6200	481	11700	7560	1680	1210	325	115	105
28	168	5340	1970	5480	425	12700	6840	937	844	399	114	106
29	170	4250	1940	4920	373	13000	5520	692	685	335	113	117
30	180	4300	2140	4400	---	12600	4680	550	500	305	115	125
31	207	---	2150	4160	---	12600	---	488	---	238	115	---
TOTAL	7873	49268	60428	116319	80920	286132	285889	90486	16505	8003	4617	3342
MEAN	254	1642	1949	3752	2790	9230	9530	2919	550	258	149	111
MAX	620	6560	5390	8840	7720	18000	23000	10300	1730	409	220	126
MIN	168	238	425	989	373	364	760	373	248	175	113	100
CFSM	.22	1.44	1.71	3.29	2.45	8.10	8.36	2.56	.48	.23	.13	.10
IN.	.26	1.61	1.97	3.80	2.64	9.34	9.33	2.95	.54	.26	.15	.11

CAL YR 1979 TOTAL 1272513 MEAN 3486 MAX 136000 MIN 157 CFSM 3.06 IN 41.52
WTR YR 1980 TOTAL 1009782 MEAN 2759 MAX 23000 MIN 100 CFSM 2.42 IN 32.95

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi (3.2 km) downstream from Oakohay Creek, 10.6 mi (17.1 km) upstream from Big Creek, 9.5 mi (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--743 mi² (1,924 km²), revised.

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 2106: 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) Mississippi State Highway Department datum. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 1,106 ft³/s (31.32 m³/s), 20.21 in/yr (513 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s (1,540 m³/s) Apr. 14, 1974, gage height, 32.6 ft (9.936 m), from floodmark); minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 28	1000	9010	255	16.66	5.078	Mar. 31	0600	25800	731	26.60	8.108
Jan. 14	0500	10800	306	18.06	5.505	Apr. 14	1700	*31300	886	28.19	8.592
Jan. 25	1200	9730	276	17.24	5.255	Apr. 28	0900	9680	274	17.20	5.243
Feb. 12	0600	12700	360	19.40	5.913	May 18	Unknown	10600	300	a17.87	5.447
Mar. 21	0800	11800	334	18.75	5.715	May 23	1200	8680	246	16.39	4.996

Minimum discharge, 134 ft³/s (3.79 m³/s) Sept. 27-28, gage height 4.05 ft (1.234 m).

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	425	788	1330	823	1520	633	21100	1670	613	332	329	212
2	383	894	931	766	1520	725	10700	1210	560	300	295	200
3	347	613	785	700	1240	682	4130	1780	519	281	290	200
4	327	436	700	766	1050	640	3020	1620	489	265	312	202
5	314	339	644	854	951	736	2150	1440	459	256	290	188
6	295	293	627	811	1210	1240	1660	1050	436	245	362	181
7	274	261	633	770	1410	2220	2290	835	413	241	317	173
8	261	241	603	703	1430	4640	2240	736	416	332	288	170
9	250	237	544	744	3990	4020	3010	665	744	256	254	164
10	235	2980	504	792	10600	2910	3030	560	532	232	237	161
11	226	2340	480	3970	12000	1570	3450	519	436	222	256	157
12	220	1750	465	7650	12000	1040	14000	495	402	212	286	159
13	216	1280	1480	9140	5430	890	21300	532	373	204	274	166
14	208	766	5010	9670	2860	1050	29800	862	349	200	247	161
15	200	583	5070	4160	2090	964	27200	7090	334	194	232	156
16	194	486	5690	3120	1520	747	18900	9220	322	190	226	152
17	192	427	3700	6510	1290	3060	6930	10200	309	228	218	149
18	190	389	2150	6270	1130	5910	3330	10600	300	290	212	150
19	186	362	1500	5610	1030	8900	2440	10200	293	261	206	157
20	185	342	1020	3740	960	9500	1790	9440	344	300	198	159
21	179	324	874	2400	902	11000	1460	4650	360	1820	190	159
22	177	312	800	2570	850	9870	1250	6530	329	2070	181	154
23	175	600	972	6820	800	9530	1090	8120	317	2230	172	159
24	173	2000	1940	7280	744	4410	968	6100	322	1370	166	144
25	170	5960	2880	9240	686	2940	886	3950	383	1120	164	142
26	168	7650	3210	5410	630	2440	3900	2440	402	675	170	140
27	166	7430	2430	3580	590	4940	7740	1470	766	477	190	137
28	164	8390	1650	2700	573	14000	9190	1150	623	538	206	134
29	212	3780	1160	1960	560	16600	5030	943	465	483	214	150
30	279	2030	927	1500	---	22500	2530	781	381	519	214	237
31	263	---	878	1600	---	24800	---	682	---	394	239	---
TOTAL	7254	54283	51587	112629	71566	175107	216514	107540	12991	16737	7435	4973
MEAN	234	1809	1664	3633	2468	5649	7217	3469	433	540	240	166
MAX	425	8390	5690	9670	12000	24800	29800	10600	766	2230	362	237
MIN	164	237	465	700	560	633	886	495	293	190	164	134
CFSM	.32	2.44	2.24	4.89	3.32	7.60	9.71	4.67	.58	.73	.32	.22
IN.	.36	2.72	2.58	5.64	3.58	8.77	10.84	5.38	.65	.84	.37	.25

CAL YR 1979 TOTAL 660925 MEAN 1811 MAX 30800 MIN 150 CFSM 2.44 IN 33.09
WTR YR 1980 TOTAL 838616 MEAN 2291 MAX 29800 MIN 134 CFSM 3.08 IN 41.99

02472373 LEAF RIVER AT EASTABUCHIE, MS

LOCATION.--Lat 31°26'20", long 89°18'00", in SE¼ sec.33, T.6 N., R.13 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 0.9 mi (1.4 km) west of Eastabuchie, and 1.4 mi (2.3 km) east of Interstate Highway 59, and at mile 82.1 (132.1 km).

DRAINAGE AREA.--1,041 mi² (2,696 km²), revised.

PERIOD OF RECORD.--Water years 1965-66, 1972, 1975, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1130	E460	62	6.6	19.0	35	4.0	7.8	260	.30	.010
NOV											
07...	1230	E540	63	6.7	15.0	35	5.0	8.9	K190	.23	.000
DEC											
14...	1430	E4200	49	6.5	13.0	100	20	6.9	460	.16	.010
JAN											
15...	1230	E6500	43	6.5	10.5	10	25	9.2	800	.09	.020
FEB											
13...	0945	E8000	39	6.5	6.0	50	15	8.9	240	.07	.020
MAR											
05...	1430	E1150	64	5.9	11.0	30	6.5	9.8	--	.28	.010
APR											
03...	0845	E10500	35	6.2	16.0	50	64	8.3	490	.05	.010
MAY											
08...	0915	E1500	66	6.7	20.0	28	24	7.3	K94	.31	.010
JUN											
04...	1600	E1150	53	6.8	26.0	40	13	7.6	270	.36	.010
30...	1600	E910	75	7.0	29.0	55	19	6.1	180	.57	.020
AUG											
05...	1545	E730	62	6.8	29.0	48	15	7.6	K35	.40	.000
SEP											
02...	1330	E620	43	6.0	25.0	30	13	7.5	140	.36	.010

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)
OCT										
11...	.31	.000	.14	.14	.45	2.0	.020	.000	2.3	19
NOV										
07...	.23	.030	.29	.32	.55	2.4	.010	.010	5.5	26
DEC										
14...	.17	.040	.85	.89	1.1	4.7	.060	.060	12	128
JAN										
15...	.11	.050	.89	.94	1.1	4.6	.080	.020	11	244
FEB										
13...	.09	.030	.31	.34	.43	1.9	.060	.030	9.4	98
MAR										
05...	.29	.060	.07	.13	.42	1.9	.020	.000	3.2	24
APR										
03...	.06	.040	.27	.31	.37	1.6	.050	.010	6.5	80
MAY										
08...	.32	.030	.28	.31	.63	2.8	.040	.000	5.2	70
JUN										
04...	.37	.030	.39	.42	.79	3.5	.030	.000	5.0	16
30...	.59	.050	.22	.27	.86	3.8	.060	.100	8.5	20
AUG										
05...	.40	.040	.12	.16	.56	2.5	.040	.020	3.2	22
SEP										
02...	.37	.020	.34	.36	.73	3.2	.040	.020	5.1	51

02472373 LEAF RIVER AT EASTABUCHIE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT											
11...	16	2	4.4	1.1	4.5	43	.5	6.0	1.5	17	0

DATE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT											
11...	14	6.8	6.4	3.9	<10	<10	<10	<10	.00	10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
11...	0	.0	.0	0	.0	.0	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT									
11...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP IN BOTTOM MATERIL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
11...	.0	.0	.00	0	.0	0	.0	0	.0

02472500 BOWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft (7.6 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi (1.6 km) upstream from Okatoma Creek, 2.2 mi (3.5 km) southwest of Lux, and 10.2 mi (16.4 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi² (787 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1906: 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record fair.

AVERAGE DISCHARGE.--42 years, 452 ft³/s (12.79 m³/s), 20.19 in/yr (513 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 14, 1974, gage height, 28.18 ft (8.589 m), from floodmark; minimum, 83 ft³/s (2.35 m³/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 30	0630	17900	507	23.21	7.074	May 17	2130	5160	146	16.40	4.999
Apr. 13	2330	*21700	615	25.21	7.684						

Minimum discharge, 169 ft³/s (4.79 m³/s) Sept. 16, 17, 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	383	297	313	1070	353	4100	457	356	243	241	327
2	223	463	277	292	683	466	1910	445	343	235	233	243
3	214	330	263	280	499	383	1710	561	329	229	229	214
4	207	238	257	300	426	330	1220	502	321	225	237	206
5	204	216	251	304	394	340	810	509	314	222	255	197
6	200	209	252	288	595	362	636	524	305	218	237	193
7	200	204	258	307	580	647	576	411	297	220	223	191
8	195	200	252	351	440	1830	597	397	295	276	216	191
9	194	200	244	478	2180	1270	589	407	363	299	214	187
10	188	253	236	487	3680	773	532	379	416	253	214	182
11	188	1000	232	1780	3210	540	545	358	321	229	220	178
12	187	840	234	2270	2870	415	4050	345	293	220	223	177
13	185	700	443	1700	1400	378	14100	336	278	214	220	175
14	183	400	1570	1370	727	349	17000	372	270	208	212	173
15	182	300	1240	839	567	319	7810	519	265	204	208	173
16	182	265	869	647	505	302	3390	1610	261	202	204	171
17	180	250	717	1670	457	710	1380	4650	257	216	201	255
18	182	240	466	1850	412	2100	950	4700	253	239	199	231
19	180	233	369	1420	385	1680	829	3810	251	247	195	208
20	180	227	334	1050	374	1110	730	3580	259	416	191	197
21	180	222	313	621	367	1980	647	1910	268	1140	191	186
22	180	217	313	721	360	1780	587	2800	261	1060	189	184
23	182	360	457	1650	351	1240	540	3110	259	1410	189	180
24	183	760	988	1500	334	1090	504	2040	274	724	182	177
25	183	2600	1210	1100	317	813	499	1270	308	440	182	175
26	180	2300	880	1140	300	647	1460	759	312	316	184	175
27	178	2000	617	1080	290	1860	789	561	487	280	191	173
28	178	900	437	791	288	6760	639	477	312	356	210	169
29	180	450	362	602	288	13100	584	426	270	347	233	195
30	188	330	347	484	---	16100	489	393	253	297	225	1410
31	231	---	334	1120	---	8680	---	374	---	255	332	---
TOTAL	5928	17290	15319	28805	24349	68707	70202	38992	9051	11440	6680	7093
MEAN	191	576	494	929	840	2216	2340	1258	302	369	215	236
MAX	231	2600	1570	2270	3680	16100	17000	4700	487	1410	332	1410
MIN	178	200	232	280	288	302	489	336	251	202	182	169
CFSM	.63	1.90	1.63	3.06	2.76	7.29	7.70	4.14	.99	1.21	.71	.78
IN.	.73	2.12	1.87	3.52	2.98	8.41	8.59	4.77	1.11	1.40	.82	.87

CAL YR 1979 TOTAL 235478 MEAN 645 MAX 6410 MIN 159 CFSM 2.12 IN 28.81
WTR YR 1980 TOTAL 303856 MEAN 830 MAX 17000 MIN 169 CFSM 2.73 IN 37.18

02472880 BOWIE RIVER NR GLENDALE, MS

LOCATION.--Lat 31°23'44", long 89°21'56", in SE¼ sec.14, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 5.1 mi (8.2 km) northwest of Glendale, and 4.2 mi (6.8 km) southeast of Lux, and at mile 10.5 (16.9 km).

DRAINAGE AREA.--604 mi² (1,564 km²), revised.

PERIOD OF RECORD.--Water years 1974, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	0900	328	36	6.0	17.0	20	5.0	8.2	K58	.36	.010
NOV											
07...	1130	374	38	6.3	14.0	30	5.0	9.4	K110	.30	.000
DEC											
14...	1530	3150	39	6.0	12.5	100	10	8.8	K19	.17	.000
JAN											
15...	1130	2000	32	6.3	11.0	100	15	10.2	780	.15	.020
FEB											
13...	1030	3580	29	5.9	6.0	50	10	9.0	K42	.15	.010
MAR											
05...	1530	1030	37	6.0	11.0	30	5.5	10.5	--	.30	.010
APR											
03...	0745	4500	32	6.2	16.0	50	3.6	9.4	2300	.17	.010
MAY											
08...	0830	824	36	6.5	20.0	28	14	8.2	K100	.36	.020
JUN											
04...	1430	650	39	6.4	25.0	25	7.0	8.0	150	.44	.010
30...	1400	518	34	6.7	28.0	50	18	6.8	240	.41	.010
AUG											
05...	1430	490	36	6.8	28.0	28	6.3	8.2	K81	.47	.010
SEP											
02...	1200	732	28	7.3	23.0	12	4.9	8.2	K1300	.34	.000

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
11...	.37	.010	.06	.07	.44	1.9	.050	.010	1.1	19	17
NOV											
07...	.30	.060	.14	.20	.50	2.2	.020	.030	6.6	21	21
DEC											
14...	.17	.050	.89	.94	1.1	4.9	.090	.090	17	115	978
JAN											
15...	.17	.100	.54	.64	.81	3.6	.110	.110	6.1	140	756
FEB											
13...	.16	.050	.25	.30	.46	2.0	.070	.030	2.9	164	1590
MAR											
05...	.31	.130	.09	.22	.53	2.3	.040	.010	3.9	48	133
APR											
03...	.18	.090	.33	.42	.60	2.7	.070	.020	5.6	102	1240
MAY											
08...	.38	.060	.36	.42	.80	3.5	.050	.010	4.9	42	93
JUN											
04...	.45	.030	.33	.36	.81	3.6	.060	.030	3.4	16	28
30...	.42	.040	.21	.25	.67	3.0	.070	.070	3.4	12	17
AUG											
05...	.48	.020	.04	.06	.54	2.4	.090	.050	2.6	22	29
SEP											
02...	.34	.020	.30	.32	.66	2.9	.070	.040	5.2	35	69

02472880 BOWIE RIVER NR GLENDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT											
11...	7	0	1.5	.7	3.1	57	.5	4.1	1.0	11	0

DATE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT											
11...	9	18	1.5	4.1	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
11...	0	.0	.0	0	.0	.0	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT									
11...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP IN BOTTOM MATERIL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
11...	.0	.0	.00	0	.0	0	.0	0	.0

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on left bank 200 ft downstream from bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft (90 m) downstream from Bowie Creek, 3,000 ft (900 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,748 mi² (4,527 km²).

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage height, published since January 1972. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 2,708 ft³/s (76.69 m³/s), 21.04 in/yr (534 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974, gage height, 34.03 ft (10.372 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum gage height, 2.89 ft (0.881 m) Oct. 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,700 ft³/s (1,660 m³/s) Apr. 14, gage height, 29.13 ft (8.879 m); minimum, 687 ft³/s (19.5 m³/s) Sept. 28, gage height, 3.02 ft (0.920 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	1900	3650	2160	5480	1980	42000	4950	2340	1410	1150	1590
2	1260	2710	2750	2010	4560	2350	33400	3810	2230	1300	1140	1200
3	1200	2340	2270	1870	3890	2330	25800	3790	2130	1230	1180	983
4	1150	1650	2040	1770	3280	2120	16200	4500	2020	1170	1170	906
5	1100	1300	1900	2000	2930	2080	8140	4290	1930	1140	1160	882
6	1070	1150	1860	1750	3250	2250	5980	3630	1850	1110	1080	842
7	1060	1070	1870	1680	3710	3290	5090	3040	1790	1180	1030	842
8	1030	1030	1830	1800	3510	9880	6420	2700	1890	1360	983	836
9	1000	1000	1690	2500	6860	9350	6300	2600	2050	1510	1000	796
10	983	1610	1580	3000	14700	7480	6500	2500	2730	1290	1020	774
11	959	5350	1520	7000	16900	5670	6390	2340	2160	1140	1040	752
12	947	5650	1480	12000	18300	3690	15800	2250	1840	1060	1030	735
13	941	4420	1840	13000	16500	2910	33100	2160	1710	1020	977	730
14	929	2830	7510	12500	10700	2590	54500	2080	1600	990	923	746
15	917	1900	9650	11000	6040	2600	55800	2930	1540	971	906	735
16	906	1560	8940	9000	4770	2410	46300	4870	1490	947	888	724
17	900	1390	8730	10000	3930	3160	31300	18500	1450	983	859	791
18	894	1300	6060	11500	3570	10500	20900	21100	1410	1140	847	1010
19	888	1240	4170	11000	3020	11300	10300	20900	1480	1370	836	825
20	888	1190	3380	9000	2780	11600	6310	21900	1340	1770	830	808
21	882	1150	2850	7500	2680	14400	5140	18400	1360	4600	819	779
22	876	1120	3280	7000	2560	15100	4460	14100	1400	5280	813	768
23	865	1840	3240	10000	2470	14800	3980	14400	1410	5600	796	746
24	865	3290	3880	11500	2340	14600	3630	14200	1410	5060	768	730
25	865	8250	6840	12500	2200	10900	3420	12200	1440	2950	757	763
26	865	13400	7290	11000	2080	6910	8870	8900	1540	2100	752	746
27	853	12400	6610	8000	1970	8740	8710	5040	1640	1850	768	708
28	853	10900	4240	6900	1900	21300	9880	3830	2080	1700	906	692
29	853	10500	3660	5620	1890	30700	11100	3210	2080	1460	1550	752
30	929	6330	2610	4360	---	45100	8470	2840	1700	1290	1180	3380
31	1270	---	2340	5040	---	46700	---	2500	---	1210	1390	---
TOTAL	30378	111770	121560	215960	158770	328790	504190	234460	53040	57191	30548	27571
MEAN	980	3726	3921	6966	5475	10610	16810	7563	1768	1845	985	919
MAX	1380	13400	9650	13000	18300	46700	55800	21900	2730	5600	1550	3380
MIN	853	1000	1480	1680	1890	1980	3420	2080	1340	947	752	692
CFSM	.56	2.13	2.24	3.99	3.13	6.07	9.62	4.33	1.01	1.06	.56	.53
IN.	.65	2.38	2.59	4.60	3.38	7.00	10.73	4.99	1.13	1.22	.65	.59

CAL YR 1979 TOTAL 1589093 MEAN 4354 MAX 33100 MIN 750 CFSM 2.49 IN 33.82
WTR YR 1980 TOTAL 1874228 MEAN 5121 MAX 55800 MIN 692 CFSM 2.93 IN 39.89

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.15	4.85	6.86	---	8.60	4.97	26.13	8.12	5.42	4.20	---	4.45
2	3.98	5.85	5.89	---	7.76	5.43	24.16	7.02	5.28	4.04	3.79	3.88
3	---	5.42	5.33	---	7.10	5.40	21.49	7.00	5.16	3.93	3.86	3.54
4	---	4.53	5.04	---	6.48	5.14	16.23	7.70	5.02	3.84	3.84	3.41
5	---	4.03	4.86	---	6.10	5.10	10.76	7.50	4.90	3.79	3.82	3.37
6	3.68	3.80	4.82	---	6.44	5.30	9.02	6.84	4.80	3.74	3.70	3.30
7	3.66	3.68	4.83	---	6.92	6.43	8.25	6.22	4.72	3.86	3.61	3.30
8	3.61	3.62	4.77	---	6.72	12.05	9.40	5.84	4.85	4.12	3.54	3.29
9	3.57	3.57	4.59	---	9.59	11.68	9.30	5.72	5.06	4.34	3.57	3.22
10	3.54	4.40	4.43	---	15.30	10.26	9.47	5.60	5.87	4.02	3.60	3.18
11	3.50	8.47	4.35	---	16.70	8.75	9.38	5.42	5.19	3.79	3.64	3.14
12	3.48	8.75	4.29	---	17.54	6.90	15.86	5.30	4.79	3.67	3.61	3.11
13	3.47	7.62	4.77	---	16.46	6.07	23.77	5.20	4.61	3.60	3.53	3.10
14	3.45	5.97	10.20	---	12.59	5.71	28.42	5.10	4.47	3.55	3.44	3.13
15	3.43	4.86	---	---	9.07	5.72	28.65	6.10	4.38	3.52	3.41	3.11
16	3.41	4.41	---	---	7.95	5.50	26.94	8.05	4.31	3.48	3.38	3.09
17	3.40	4.17	---	---	7.14	6.27	23.52	17.70	4.25	3.54	3.33	3.21
18	3.39	4.03	---	---	6.78	12.48	19.00	19.20	4.20	3.79	3.31	3.58
19	3.38	3.94	---	---	6.20	13.03	12.32	19.10	4.30	4.14	3.29	3.27
20	3.38	3.87	---	---	5.93	13.23	9.30	19.66	4.10	4.67	3.28	3.24
21	3.37	3.80	---	---	5.81	15.14	8.29	17.60	4.12	7.78	3.26	3.19
22	3.36	3.76	---	---	5.67	---	7.66	14.90	4.18	8.42	3.25	3.17
23	3.34	4.78	---	---	5.57	---	7.19	15.10	4.20	8.70	3.22	3.13
24	3.34	6.47	---	---	5.41	---	6.84	15.00	4.20	---	3.17	3.10
25	3.34	10.73	---	---	5.24	12.72	6.62	13.70	4.24	---	3.15	3.16
26	3.34	14.50	---	---	5.09	9.81	11.31	11.35	4.38	---	3.14	3.13
27	3.32	13.81	---	---	4.95	11.19	11.21	8.20	4.52	---	3.17	3.06
28	3.32	12.78	---	9.80	4.87	19.19	12.05	7.04	5.10	---	3.40	3.03
29	3.32	12.47	---	8.72	4.85	23.29	12.92	6.40	5.10	---	4.39	3.13
30	3.45	9.27	---	7.56	---	26.73	11.03	6.00	4.60	---	3.86	6.46
31	3.99	---	---	8.20	---	27.04	---	5.60	---	---	4.17	---
MEAN	---	6.41	---	---	8.10	---	14.55	9.65	4.68	---	---	3.38
MAX	---	14.50	---	---	17.54	---	28.65	19.66	5.87	---	---	6.46
MIN	---	3.57	---	---	4.85	---	6.62	5.10	4.10	---	---	3.03

02473260 LEAF RIVER NR PALMER, MS

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼ sec.32, T.4 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at downstream side of bridge on county road, 0.6 mi (1.0 km) east of Palmer, and 3.2 mi (5.1 km) northwest of Four Points, and at mile 61.6 (99.1 km).

DRAINAGE AREA.--1,809 mi² (4,685 km²), revised.

PERIOD OF RECORD.--Water years 1971-75, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1330	815	70	5.9	20.0	30	5.0	8.2	K1300	.32	.050
NOV											
07...	1400	925	73	6.3	16.5	50	4.0	7.9	920	.26	.010
DEC											
14...	1300	6700	38	6.5	13.0	60	20	7.3	720	.21	.010
JAN											
15...	1430	11400	31	6.5	11.0	100	25	9.4	K1500	.07	.030
FEB											
13...	0830	E16000	36	6.3	6.0	50	15	8.3	110	.07	.020
MAR											
05...	1300	2000	65	6.2	11.5	30	6.5	10.5	--	.30	.010
APR											
03...	1025	E22300	33	6.2	16.0	50	6.5	8.1	660	.06	.010
MAY											
08...	1000	2770	67	6.6	20.5	22	20	7.3	3500	.29	.010
JUN											
04...	1645	2230	61	6.8	27.0	30	16	7.2	K340	.35	.010
30...	1450	1730	77	6.8	30.0	49	19	5.8	--	.38	.010
AUG											
05...	1700	1370	73	6.6	30.0	42	13	7.2	270	.38	.010
SEP											
02...	1450	1420	53	6.0	26.0	15	5.1	6.8	1400	.37	.000

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
11...	.37	.060	.19	.25	.62	2.7	.060	.050	6.9	22	48
NOV											
07...	.27	.170	.36	.53	.80	3.5	.040	.030	7.2	40	100
DEC											
14...	.22	.070	.54	.61	.83	3.7	.070	.050	6.5	103	1860
JAN											
15...	.10	.090	.68	.77	.87	3.9	.130	.120	11	230	7080
FEB											
13...	.09	.030	.31	.34	.43	1.9	.070	.030	8.0	146	--
MAR											
05...	.31	.170	.08	.25	.56	2.5	.070	.070	2.5	38	205
APR											
03...	.07	.040	.35	.39	.46	2.0	.090	.010	7.8	122	--
MAY											
08...	.30	.070	.41	.48	.78	3.5	.090	.010	4.2	59	441
JUN											
04...	.36	.050	.78	.83	1.2	5.3	.080	.040	2.7	27	163
30...	.39	.070	.39	.46	.85	3.8	.030	.070	4.0	26	121
AUG											
05...	.39	.050	.16	.21	.60	2.7	.180	.100	4.0	24	89
SEP											
02...	.37	.090	.41	.50	.87	3.9	.200	.080	4.6	38	146

02473260 LEAF RIVER NR PALMER, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT 11...	14	2	3.7	1.1	6.8	57	.8	8.3	1.5	14	0

DATE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 11...	11	28	2.6	9.1	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 11...	8	.0	.0	10	8.8	1.4	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT 11...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATEPIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP IN BOTTOM MATERIL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 11...	.0	.0	.00	0	.0	0	.0	0	.0

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55" (corrected), in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 528, 0.8 mi (1.3 km) east of Waldrup and 11.6 mi (18.7 km) east of Bay Springs.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1961, 1964-65, and annual maximums, water years 1969-79. October 1979 to current year.

GAGE.--Nonrecording gage and crest-stage gage. Datum of gage is 290.00 ft (88.392 m) National Geodetic Vertical Datum of 1929. Prior to October 1979, datum of gage at NGVD.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s (507 m³/s) Apr. 13, 1974, gage height 23.18 ft (7.065 m) present datum; minimum 3.2 ft³/s (0.091 m³/s) Sept. 13, 1980, gage height, 7.68 ft (2.341 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	1430	2780	78.7	18.24	5.560	Mar. 28	1600	5240	148	19.54	5.956
Jan. 23	0930	3180	90.1	18.49	5.636	Mar. 30	1700	5020	142	19.44	5.925
Feb. 10	0600	4960	140	19.41	5.916	Apr. 12	2300	*6450	183	20.06	6.114
Mar. 8	2300	3100	87.8	18.44	5.621	May 18	0100	4270	121	19.08	5.816

Minimum discharge, 3.2 ft³/s (0.091 m³/s) Sept. 13, gage height 7.68 ft (2.341 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	45	89	90	272	63	554	101	63	29	26	8.5
2	22	49	80	66	121	68	272	126	51	27	15	8.5
3	19	30	70	63	94	55	232	232	51	25	15	6.6
4	16	21	62	133	88	53	201	197	53	25	15	6.2
5	15	14	53	148	83	100	242	109	47	24	14	6.2
6	14	11	61	89	192	172	207	86	47	22	13	7.5
7	14	11	63	83	198	130	314	72	43	22	11	6.2
8	13	9.0	47	99	130	903	336	71	43	22	11	5.8
9	12	18	45	98	636	2110	472	68	309	22	9.0	4.4
10	11	704	45	130	4230	762	205	60	239	22	8.5	4.4
11	12	1180	44	446	1600	186	174	54	72	22	22	5.0
12	11	450	45	1220	544	120	2690	53	53	22	17	4.7
13	8.5	121	134	976	204	113	3830	48	41	20	14	4.4
14	8.0	74	853	257	143	94	615	54	42	15	13	6.6
15	6.8	54	1010	124	130	78	1130	69	37	11	22	6.2
16	6.2	45	327	204	142	81	417	211	37	15	15	5.8
17	6.2	39	145	2060	103	450	214	2380	33	15	11	6.2
18	6.6	33	104	1360	94	1480	175	3120	37	15	6.6	17
19	8.0	30	81	736	92	1180	163	1390	41	18	6.2	9.0
20	8.5	29	73	251	85	792	163	1000	43	22	8.0	6.6
21	9.3	29	70	154	83	1810	137	1200	48	22	6.6	8.5
22	10	44	68	381	78	1580	114	918	42	25	6.2	11
23	9.5	270	108	2500	72	544	100	1470	38	58	6.0	7.0
24	8.8	1030	408	1020	68	229	90	1840	38	106	6.2	8.5
25	8.5	1450	547	528	66	234	125	706	73	37	6.6	6.6
26	6.8	2480	198	371	58	175	700	172	83	22	6.2	6.6
27	6.2	1580	113	579	50	417	1460	118	45	15	7.0	5.2
28	7.3	436	87	274	49	3650	650	89	37	22	11	8.5
29	6.2	145	74	172	53	2940	163	76	34	31	9.5	6.8
30	13	101	82	139	---	4350	116	71	33	33	8.5	4.7
31	20	---	107	182	---	2360	---	68	---	73	5.4	---
TOTAL	348.4	10532.0	5293	14933	9758	27279	16261	16229	1853	859	351.5	209.2
MEAN	11.2	351	171	482	336	880	542	524	61.8	27.7	11.3	6.97
MAX	25	2480	1010	2500	4230	4350	3830	3120	309	106	26	17
MIN	6.2	9.0	44	63	49	53	90	48	33	11	5.4	4.4
CFSM	.11	3.44	1.68	4.73	3.29	8.63	5.31	5.14	.61	.27	.11	.07
IN.	.13	3.84	1.93	5.45	3.56	9.95	5.93	5.92	.68	.31	.13	.08

WTR YR 1980 TOTAL 103906.1 MEAN 284 MAX 4350 MIN 4.4 CFSM 2.78 IN 37.89

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on State Highway 15, 0.5 mi (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mi (0.8 km) southeast of city limits of Laurel, and 13.1 mi (21.1 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--238 mi² (616 km²), revised.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 352 ft³/s (9.969 m³/s), 20.08 in/yr (510 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s (660 m³/s) Apr. 14, 1974, gage height, 23.28 ft (7.096 m), from floodmark; minimum, 1.8 ft³/s (0.051 m³/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Department.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85.0 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 29	0630	3280	92.9	15.52	4.730	Mar. 30	1230	10700	303	19.92	6.072
Feb. 13	0100	4150	118	16.41	5.002	Apr. 14	1130	*13200	374	20.84	6.352
Mar. 23	1930	4240	120	16.48	5.023	May 19	2230	5120	145	17.12	5.218

Minimum discharge, 14 ft³/s (0.40 m³/s) Sept. 14-17; minimum gage height, 2.10 ft (0.640) Sept. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	143	2020	242	597	171	6010	1070	202	76	99	25
2	91	220	874	229	505	197	3700	466	177	67	81	24
3	78	203	338	207	427	210	2770	612	158	62	72	22
4	68	141	268	229	346	207	2130	799	143	57	74	23
5	61	100	267	255	308	197	1420	661	132	53	61	22
6	58	76	221	321	347	195	744	440	123	50	54	19
7	55	64	225	308	426	300	619	286	114	48	48	18
8	52	57	230	286	469	1090	973	235	109	47	41	17
9	48	55	211	328	771	1170	992	205	115	44	38	16
10	44	116	185	355	1270	1050	923	188	234	41	37	17
11	40	550	165	710	1350	940	984	171	416	39	36	16
12	38	850	154	943	2480	1080	3650	156	295	38	34	15
13	37	1040	241	979	3670	1200	6190	140	156	37	33	15
14	35	1170	656	981	2670	1000	12300	138	119	36	36	14
15	34	1170	889	1050	1910	383	9130	156	101	34	39	14
16	34	444	915	1230	874	294	4880	409	90	37	43	14
17	32	208	933	1300	447	482	3000	2000	83	44	41	15
18	31	163	1000	1160	380	1020	2250	2650	78	45	45	16
19	31	140	805	1160	326	1110	1630	3930	77	63	37	19
20	31	123	348	1460	290	1190	931	4460	74	99	32	26
21	31	112	268	2250	271	1580	579	3110	80	91	30	27
22	31	104	242	2270	261	2100	460	2730	89	91	28	31
23	32	321	252	2120	251	3440	376	2280	90	148	26	26
24	33	769	336	1570	236	3530	323	1910	113	199	24	24
25	40	1350	493	1400	215	2610	289	1790	125	151	25	23
26	36	1860	635	1950	195	1910	507	2370	125	140	24	21
27	33	1900	675	2640	175	1360	675	2460	147	114	28	19
28	32	2760	505	2120	173	2370	753	1820	145	87	23	28
29	35	3200	308	1460	168	3610	799	744	109	91	24	35
30	40	2700	259	963	---	9810	979	294	87	91	23	42
31	100	---	243	657	---	8150	---	233	---	88	23	---
TOTAL	1445	22109	15161	33133	21808	53956	70966	38913	4106	2308	1259	643
MEAN	46.6	737	489	1069	752	1741	2366	1255	137	74.5	40.6	21.4
MAX	104	3200	2020	2640	3670	9810	12300	4460	416	199	99	42
MIN	31	55	154	207	168	171	289	138	74	34	23	14
CFSM	.20	3.10	2.06	4.49	3.16	7.32	9.94	5.27	.58	.31	.17	.09
IN.	.23	3.46	2.37	5.18	3.41	8.43	11.09	6.08	.64	.36	.20	.10

CAL YR 1979 TOTAL 213426 MEAN 585 MAX 10700 MIN 21 CFSM 2.46 IN 33.36
WTR YR 1980 TOTAL 265807 MEAN 726 MAX 12300 MIN 14 CFSM 3.05 IN 41.55

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi (4.8 km) south of Runnelstown, and 11.6 mi (18.7 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 959 ft³/s (27.14 m³/s), 21.28 in/yr (540 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961, gage height, 29.84 ft (9.095 m) in gage well, 30.07 ft (9.165 m) from outside gage, present datum; minimum, 29 ft³/s (0.82 m³/s) Oct. 31, 1963; minimum gage height, 4.64 ft (1.414 m) Nov. 3, 4-5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft (9¼ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,800 ft³/s (561 m³/s) Apr. 16, gage height, 26.43 ft (8.056 m); minimum, 82 ft³/s (2.32 m³/s) Sept. 16, minimum gage height, 5.36 ft (1.634 m), Oct. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	432	554	4180	794	2420	607	15600	2160	1010	337	312	174
2	380	816	4090	750	1870	651	14900	2180	875	285	399	136
3	319	804	2950	703	1490	715	12300	1780	775	254	274	127
4	296	682	1210	675	1240	719	9990	1940	699	231	318	120
5	273	465	904	696	1060	711	7290	2140	635	217	371	116
6	233	360	806	717	1140	719	4980	1700	579	203	241	111
7	229	304	803	740	1230	1040	2780	1310	535	231	203	158
8	203	270	754	776	1230	2340	2270	1100	535	361	187	121
9	196	249	735	819	2060	2590	2560	995	535	247	172	104
10	192	235	691	869	3950	2690	2490	907	559	217	172	97
11	189	349	615	2480	3960	2380	2290	839	779	189	192	92
12	185	1120	554	3580	3600	2170	3840	787	1010	174	158	90
13	178	1790	532	2730	3470	2500	8010	739	835	164	154	88
14	170	1990	1350	2400	4120	2700	12100	755	579	156	152	87
15	162	2070	2430	2270	4810	1890	16600	1080	459	148	172	84
16	156	1770	2430	2310	4630	1030	19200	1450	395	142	158	82
17	153	1120	2270	2890	2980	1060	14900	5630	354	170	150	90
18	150	629	2110	3650	1500	2750	11100	7090	325	236	148	120
19	147	476	2050	3400	1220	2920	8040	6970	306	257	150	100
20	144	413	1690	2960	1080	2700	5420	7720	318	719	146	93
21	140	391	1070	2880	991	3040	3250	8200	306	1150	133	92
22	138	372	869	3250	943	3390	2140	8250	294	1030	125	98
23	136	491	840	4250	923	3280	1760	7230	315	1000	118	97
24	133	1870	908	4610	875	3730	1530	6260	341	1340	114	100
25	131	2900	1060	4310	819	4740	1380	5250	417	931	112	104
26	130	4340	1210	3710	739	5340	2650	4320	471	675	109	134
27	134	4190	1350	3570	679	5420	2400	3940	535	547	118	98
28	134	3920	1420	3790	631	6840	2080	4180	571	579	192	90
29	130	3800	1220	4000	599	7950	1990	3920	555	381	241	109
30	131	3940	957	3670	---	10200	2000	2310	421	334	177	695
31	168	---	866	3180	---	12000	---	1280	---	318	205	---
TOTAL	5892	42680	44924	77429	56259	100812	197840	104412	16323	13223	5873	3807
MEAN	190	1423	1449	2498	1940	3252	6595	3368	544	427	189	127
MAX	432	4340	4180	4610	4810	12000	19200	8250	1010	1340	399	695
MIN	130	235	532	675	599	607	1380	739	294	142	109	82
CFSM	.31	2.33	2.37	4.08	3.17	5.31	10.8	5.50	.89	.70	.31	.21
IN.	.36	2.59	2.73	4.71	3.42	6.13	12.03	6.35	.99	.80	.36	.23

CAL YR 1979 TOTAL 578091 MEAN 1584 MAX 13600 MIN 130 CFSM 2.59 IN 35.14
WTR YR 1980 TOTAL 669474 MEAN 1829 MAX 19200 MIN 82 CFSM 2.99 IN 40.69

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi (0.8 km) upstream from Linda Creek, 1.0 mi (1.6 km) downstream from Sweetwater Creek, 3.5 mi (5.6 km) upstream from State Highway 42, and 6.0 mi (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi² (891 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1943 (corrected), 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (35.7 m), from topographic map.

REMARKS.--Records good except those for periods of doubtful or no gage-height record Oct. 27-Dec. 3 and Aug. 26 to Sept. 22, which are poor. Discharge affected by occasional regulation of Bogue Homo Lake.

AVERAGE DISCHARGE.--10 years, 647 ft³/s (18.32 m³/s), 25.54 in/yr (649 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft from floodmark; minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 mi (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft³/s (0.13 m³/s) was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 31	0430	11000	312	22.42	6.834	May 21	0400	6540	185	16.39	4.996
Apr. 15	0300	*14300	405	24.44	7.449						

Minimum daily discharge, 16 ft³/s (0.45 m³/s) Sept. 14-16; occurred during period of missing gage heights.

EXTREMES FOR WATER YEARS 1971 TO 1979.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*): except for annual maximums, not previously published.

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
		Water Year 1971			
Mar. 4	1500	*7800	221	18.37	5.599
		Water Year 1972			
Dec. 8	0230	*4650	132	13.52	4.121
		Water Year 1973			
Dec. 23	1700	4420	125	13.19	4.020
Mar. 25	unknown	4500	127	Unknown	
Apr. 1	0430	4080	116	12.67	3.862
Apr. 28	1100	*9180	260	19.10	5.822
		Water Year 1974			
Dec. 28	unknown	*21900	620	a27.63	8.422
Apr. 15	1700	12100	343	23.26	7.090
Sept. 8	1930	4830	137	14.02	4.273
		Water Year 1975			
Jan. 9	0300	6020	170	15.74	4.798
Jan. 11	1730	5680	161	15.25	4.648
Feb. 19	0530	4240	120	13.08	3.987
May 8	1800	*6820	193	16.88	5.145
		Water Year 1976			
Apr. 1	1400	*10500	237	21.91	6.678
		Water Year 1977			
Mar. 31	2400	*6310	179	16.11	4.910
Apr. 25	0300	6110	173	15.82	4.822
		Water Year 1978			
No peaks above base.					
		Water Year 1979			
Feb. 25	1030	5040	143	13.95	4.252
Mar. 5	2330	16600	470	25.62	7.809
Apr. 4	1730	*18200	5151	26.31	8.019

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	228	180	950	388	1460	203	7770	1000	286	72	130	28
2	210	250	740	344	1070	208	4690	780	223	65	100	25
3	170	170	600	310	825	228	3540	496	190	53	90	23
4	150	135	528	325	735	230	2730	396	168	48	96	25
5	135	110	344	376	655	233	2010	468	151	43	80	23
6	120	100	352	384	720	253	1470	630	137	40	70	21
7	110	90	432	408	900	604	1180	850	127	39	60	19
8	100	82	428	544	1500	1110	1150	865	119	43	52	18
9	90	78	360	825	1400	1100	1050	572	113	39	48	17
10	82	200	325	840	2100	980	780	295	103	36	44	17
11	76	1100	286	1570	3000	965	915	228	115	34	40	17
12	72	1000	248	2240	2200	1170	2080	183	119	33	38	17
13	66	700	301	2070	1800	1300	4420	149	125	32	33	17
14	62	500	1010	1680	1500	1070	9780	133	111	32	30	16
15	58	360	1230	1630	1300	612	12500	160	92	31	27	16
16	55	280	1060	1580	1600	388	7850	213	82	31	26	16
17	52	270	975	1560	1100	500	4170	1440	74	32	25	17
18	50	200	1010	1710	850	1460	2470	4160	70	33	23	19
19	47	170	1020	1550	650	1720	1750	4960	68	47	21	21
20	46	160	885	1220	510	1670	1260	5750	62	113	20	25
21	52	150	580	1140	450	2070	835	6100	94	133	21	30
22	50	145	384	1230	400	2070	564	4340	113	190	20	35
23	43	500	364	1710	350	1920	468	3060	99	210	19	41
24	47	900	604	1830	310	1760	408	2330	97	190	19	40
25	45	3300	855	1500	280	1630	322	1960	105	240	22	41
26	43	2800	785	1570	283	1510	1630	1760	97	235	19	41
27	43	3100	680	1990	260	1930	2370	1410	170	175	20	39
28	45	2400	635	2010	230	3880	1670	995	120	158	29	38
29	60	1700	588	1640	200	6070	1160	705	100	131	26	65
30	80	1250	500	1270	---	8800	990	655	84	140	23	100
31	120	---	424	1600	---	10500	---	492	---	120	22	---
TOTAL	2607	22380	19483	39044	28638	58144	83982	47535	3614	2818	1293	867
MEAN	84.1	746	628	1259	988	1876	2799	1533	120	90.9	41.7	28.9
MAX	228	3300	1230	2240	3000	10500	12500	6100	286	240	130	100
MIN	43	78	248	310	200	203	322	133	62	31	19	16
CFSM	.24	2.17	1.83	3.66	2.87	5.45	8.14	4.46	.35	.26	.12	.08
IN.	.28	2.42	2.11	4.22	3.10	6.29	9.08	5.14	.39	.30	.14	.09

CAL YR 1979 TOTAL 333090 MEAN 913 MAX 14800 MIN 31 CFSM 2.65 IN 36.02
WTR YR 1980 TOTAL 310405 MEAN 848 MAX 12500 MIN 16 CFSM 2.47 IN 33.57

02474740 LEAF RIVER AT BEAUMONT, MS

LOCATION.--Lat 31°10'56", long 88°55'08", in NW¼ sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) north of intersection of State Highway 15 and U.S. Highway 98 in Beaumont, and at mile 24.8 (39.9 km).

DRAINAGE AREA.--3,011 mi² (7,798 km²), revised.

PERIOD OF RECORD.--Water years 1965, 1972, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1430	1760	79	7.0	20.0	40	6.0	7.3	<5	.34	.010
NOV											
09...	1230	1750	78	6.5	17.0	40	7.0	8.0	370	.29	.010
DEC											
14...	1000	7060	44	6.4	13.0	60	30	7.6	110	.10	.030
JAN											
15...	1530	15800	38	6.6	11.5	100	22	9.4	820	.08	.020
FEB											
12...	1600	20300	43	6.3	6.5	50	10	9.0	180	.11	.010
MAR											
07...	1100	3500	85	6.8	13.5	30	6.0	8.5	K110	.27	.010
APR											
03...	1145	E66000	30	6.0	16.5	50	65	8.0	450	.03	.010
MAY											
08...	1115	5800	70	6.6	21.0	34	20	7.0	160	.24	.010
JUN											
04...	1700	4300	67	6.8	27.0	30	8.5	7.4	250	.28	.010
JUL											
01...	1330	2900	95	6.6	30.5	39	12	6.7	K1500	.40	.020
AUG											
06...	1400	2600	67	6.8	29.0	47	14	6.9	K640	.37	.010
SEP											
02...	1600	2350	53	6.2	26.0	20	4.5	6.8	120	.41	.000

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
11...	.35	.010	.22	.23	.58	2.6	.060	.040	5.9	24	114
NOV											
09...	.30	.090	.34	.43	.73	3.2	.050	.030	5.3	45	213
DEC											
14...	.13	.050	.37	.42	.55	2.4	.060	.010	7.0	72	1370
JAN											
15...	.10	.080	.72	.80	.90	4.0	.160	.120	8.5	190	8110
FEB											
12...	.12	.020	.37	.39	.51	2.3	.070	.020	6.8	110	6030
MAR											
07...	.28	.100	.11	.21	.49	2.2	.050	.020	2.9	36	340
APR											
03...	.04	.040	.27	.31	.35	1.6	.080	.010	7.9	91	--
MAY											
08...	.25	.040	.48	.52	.77	3.4	.060	.010	9.7	48	752
JUN											
04...	.29	.060	.40	.46	.75	3.3	.070	.030	5.4	24	279
JUL											
01...	.42	.030	.38	.41	.83	3.7	.050	.040	2.2	20	157
AUG											
06...	.38	.020	.25	.27	.65	2.9	.150	.080	12	24	168
SEP											
02...	.41	.070	.34	.41	.82	3.6	.130	.090	4.4	24	152

02474740 LEAF RIVER AT BEAUMONT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT											
11...	15	1	4.2	1.2	8.4	60	.9	9.8	1.4	18	0

DATE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT											
11...	15	2.9	2.1	11	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
11...	0	.0	.0	0	.0	.0	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT									
11...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP IN BOTTOM MATERIL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
11...	.0	.0	.00	0	.0	0	.0	0	.0

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi (1.9 km) east of McLain, 1.8 mi (2.9 km) downstream from Atkinson Creek, 5.5 mi (8.5 km) upstream from Big Oktibee Creek, and 14.6 mi (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi² (9,050 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 5,500 ft³/s (155.8 m³/s), 21.37 in/yr (543 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Feb. 26, 1961, gage height, 31.64 ft (9.644 m); minimum, 478 ft³/s (13.5 m³/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85,100 ft³/s (2,410 m³/s) Apr. 17, gage height, 28.16 ft (8.583 m); minimum, 1030 ft³/s (29.2 m³/s) Sept. 29, gage height, 3.51 ft (1.070 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3620	4210	19600	4900	13400	3540	75000	16100	6610	2630	2450	1900
2	3190	4750	15100	4500	12300	3690	80000	12700	5430	2330	2210	1950
3	2890	4890	11200	4230	9820	3970	85000	11000	4710	2140	2090	1660
4	2680	4310	7760	4130	8010	3950	66400	9830	4290	2000	1970	1460
5	2520	3420	5500	4310	6910	3760	55800	9360	3960	1910	2150	1320
6	2390	2790	5860	4480	6640	3810	44300	8830	3690	1830	2240	1280
7	2290	2420	6690	4430	7150	4200	32000	7830	3480	1780	1970	1270
8	2220	2210	5510	4470	7190	9000	21800	6810	3310	2150	1840	1290
9	2150	2070	4850	5120	7810	12400	17200	6200	4690	2540	1690	1270
10	2070	2050	4380	6390	13400	12900	14900	5530	4630	2250	1630	1220
11	2010	2870	4030	8760	17500	12300	13400	4990	4210	1980	1730	1180
12	1950	6400	3780	15700	20100	10800	17700	4590	3780	1790	1580	1160
13	1910	7510	3780	17700	21700	9000	27600	4240	3530	1670	1500	1140
14	1860	6860	9160	18500	22500	9700	41600	4110	3200	1590	1590	1130
15	1820	5580	13100	18400	22600	8800	56700	4480	2900	1540	1650	1130
16	1780	4710	13900	18400	20100	7200	74900	6340	2700	1510	1510	1120
17	1750	4060	13700	17600	15100	6800	83400	16100	2550	1500	1410	1120
18	1730	3250	12700	16900	10300	12500	83800	24700	2450	1570	1360	1190
19	1680	2730	10800	18500	7180	15900	62000	29000	2370	1920	1320	1350
20	1620	2490	8800	19300	6160	17200	48300	43500	2300	2210	1290	1230
21	1590	2340	6600	18300	5620	18200	34900	47400	2300	3210	1260	1170
22	1560	2210	5400	15600	5420	19300	22100	46700	2350	5690	1240	1140
23	1630	5420	4900	14700	5250	20400	13100	43400	2380	6550	1210	1110
24	1670	12000	5200	16600	4950	21200	9660	37800	2340	7010	1190	1090
25	1570	14100	6600	18500	4640	21900	8100	32700	2400	6420	1160	1080
26	1510	21300	7600	19300	4280	22200	13900	28900	2700	4760	1140	1070
27	1470	22600	7800	19400	3970	22100	19900	25600	2960	3880	1180	1110
28	1450	22900	7600	19500	3730	24300	19300	20100	3080	3380	1320	1050
29	1430	22900	7200	17100	3560	33400	17200	14500	3400	3220	1460	1040
30	1420	21800	6200	14200	---	45000	16600	11600	3160	2850	1880	1380
31	1980	---	5400	12600	---	68000	---	8880	---	2590	1790	---
TOTAL	61410	227150	250700	402520	297290	487420	1176560	553820	101860	88400	50010	37610
MEAN	1981	7572	8087	12980	10250	15720	39220	17870	3395	2852	1613	1254
MAX	3620	22900	19600	19500	22600	68000	85000	47400	6610	7010	2450	1950
MIN	1420	2050	3780	4130	3560	3540	8100	4110	2300	1500	1140	1040
CFSM	.57	2.17	2.31	3.71	2.93	4.50	11.2	5.11	.97	.82	.46	.36
IN.	.65	2.42	2.67	4.28	3.16	5.19	12.52	5.89	1.08	.94	.53	.40

CAL YR 1979 TOTAL 3427390 MEAN 9390 MAX 60500 MIN 1250 CFSM 2.69 IN 36.48
WTR YR 1980 TOTAL 3734750 MEAN 10200 MAX 85000 MIN 1040 CFSM 2.92 IN 39.75

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft (762 m) upstream from Illinois Central Railroad bridge, 1.2 mi (1.9 km) east of Chunky, 3.2 mi (5.1 km) upstream from Tallahatta Creek, and 5.5 mi (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--369 mi² (956 km²), revised.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

REVISED RECORDS.--WSP 1724: 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 499 ft³/s (14.13 m³/s), 18.33 in/yr (466 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft³/s (1,160 m³/s) Mar. 4, 1979; gage height, 26.64 ft (8.120 m); minimum, 1.6 ft³/s (0.45 m³/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

EXTREMES FOR CURRENT YEAR.--Peaks above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 27	1500	5330	151	12.82	3.908	Mar. 22	1000	7390	209	15.45	4.709
Jan. 13	1100	5050	143	12.44	3.792	Mar. 31	0500	9420	267	17.79	5.422
Jan. 24	1300	6630	188	14.52	4.426	Apr. 14	1600	*14100	399	22.04	6.718
Feb. 11	1600	5000	142	12.37	3.770	May 18	2200	6700	190	14.61	4.453
Mar. 18	2300	8310	235	16.53	5.038						

Minimum discharge, 19 ft³/s (0.54 m³/s) Sept. 12, 13, gage height, 2.22 ft (0.677 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	233	480	470	849	349	4470	547	263	151	87	50
2	143	339	418	398	649	442	2160	666	238	129	71	38
3	127	210	370	358	555	398	1150	868	220	111	64	32
4	114	145	337	442	509	343	1060	927	202	102	66	30
5	106	119	322	628	487	903	893	547	191	96	61	30
6	100	106	322	495	721	1700	704	411	181	91	70	26
7	96	102	314	402	788	1380	712	358	173	88	62	24
8	92	99	292	389	567	2070	893	373	258	95	56	23
9	88	103	263	405	1460	2180	912	367	547	111	51	22
10	86	409	248	455	2970	1420	674	314	657	105	51	21
11	86	890	243	1320	4560	756	616	273	300	92	48	21
12	88	538	243	2910	3630	734	2900	250	191	79	53	20
13	86	290	571	4680	1540	1990	7720	236	167	73	51	20
14	82	203	1910	3250	863	3030	13400	229	151	66	50	24
15	77	166	2300	1120	725	2790	8970	276	144	61	46	23
16	76	151	1960	943	734	1230	3940	721	137	59	41	21
17	76	143	958	1920	682	2610	1720	2900	132	67	37	27
18	75	139	620	2150	563	5910	999	5110	129	59	36	33
19	75	134	495	1900	506	6830	963	5510	134	62	33	40
20	75	129	445	989	491	4400	816	3410	157	74	34	36
21	74	124	405	712	480	4630	661	1980	167	100	33	36
22	76	122	379	1660	452	6880	563	2010	151	142	30	36
23	77	533	411	3360	438	4490	498	2470	161	165	28	33
24	80	1650	873	6070	402	2420	445	2530	208	141	27	31
25	75	2280	1420	4340	373	1760	513	1950	725	139	27	29
26	75	3100	1060	2020	340	1370	2370	816	682	99	26	28
27	74	4890	611	1240	317	1320	3310	559	502	88	26	26
28	72	3610	484	978	314	2870	3140	435	322	141	26	25
29	82	1230	425	761	314	5910	1240	364	213	250	26	26
30	93	603	455	687	---	8100	641	319	179	155	50	51
31	117	---	551	765	---	8390	---	286	---	124	63	---
TOTAL	2801	22790	20185	48217	27279	89605	69053	38012	7882	3315	1430	882
MEAN	90.4	760	651	1555	941	2890	2302	1226	263	107	46.1	29.4
MAX	158	4890	2300	6070	4560	8390	13400	5510	725	250	87	51
MIN	72	99	243	358	314	343	445	229	129	59	26	20
CFSM	.25	2.06	1.76	4.21	2.55	7.83	6.24	3.32	.71	.29	.13	.08
IN.	.28	2.30	2.03	4.86	2.75	9.03	6.96	3.83	.79	.33	.14	.09

CAL YR 1979 TOTAL 366844 MEAN 1005 MAX 26400 MIN 51 CFSM 2.72 IN 36.98
WTR YR 1980 TOTAL 331451 MEAN 906 MAX 13400 MIN 20 CFSM 2.46 IN 33.41

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi (1.0 km) downstream from Southern Railway System bridge, and 9.5 mi (15.3 km) upstream from mouth.

DRAINAGE AREA.--52.1 mi² (134.9 km²), revised.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 66.9 ft³/s (1.895 m³/s), 17.44 in/yr (443 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964, gage height, 20.95 ft (6.386 m); maximum gage height, 22.98 ft (7.004 m) Mar. 4, 1979; minimum discharge, 0.20 ft³/s (0.006 m³/s) Oct. 4, 1954, and at times during July, August, September 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mi (0.6 km) upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mi (1.0 km) upstream.

EXTREMES FOR CURRENT YEAR.--Peaks above base of 1,300 ft³/s (36.8 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 23	0300	1740	49.3	13.90	4.237
Mar. 17	1745	1530	43.3	12.97	3.953
Mar. 21	0815	2270	64.3	15.77	4.807
Mar. 28	1530	1900	53.8	14.60	4.450
Mar. 31	0645	1640	46.4	13.46	4.103
Apr. 12	Unknown	Unknown		Unknown	
Apr. 13	Unknown	*4980	141	a20.32	6.194
May 17	1730	3040	86.1	17.43	5.313
May 20	0400	1460	41.3	12.63	3.850

Minimum daily discharge, 2.6 ft³/s (0.074 m³/s) Sept. 11.

a From floodmark

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	222	71	46	106	56	193	79	38	14	16	4.7
2	25	65	66	42	95	50	154	82	33	13	13	4.5
3	22	29	56	42	90	43	134	74	30	12	11	4.3
4	21	21	53	69	82	43	121	65	27	10	9.3	3.7
5	20	18	49	52	79	199	103	56	25	10	7.9	3.5
6	19	16	52	45	97	92	90	52	23	9.3	6.4	3.5
7	17	15	49	45	92	393	111	52	21	8.9	6.9	3.5
8	17	15	42	50	82	753	162	55	20	8.2	5.4	3.5
9	14	116	38	84	715	191	102	46	22	7.6	5.6	3.2
10	14	558	36	68	671	129	76	40	19	7.2	5.6	2.9
11	13	164	33	551	207	106	220	38	17	6.9	6.4	2.8
12	13	92	32	222	143	170	1470	36	16	6.7	5.8	2.9
13	12	58	125	129	118	156	2950	36	16	6.7	5.6	4.9
14	12	42	162	106	111	98	1350	46	15	6.7	5.4	3.4
15	11	36	77	92	106	82	323	45	15	6.4	4.5	3.2
16	10	32	69	345	150	79	196	257	14	7.9	3.9	3.1
17	10	29	55	572	100	1100	145	1840	13	13	4.5	17
18	10	28	46	206	86	643	125	593	14	21	3.9	6.9
19	9.3	26	45	138	79	242	129	652	13	12	3.7	3.9
20	9.3	25	42	118	79	970	109	1210	15	11	5.4	3.4
21	9.3	25	39	108	74	1500	89	345	15	15	6.1	3.2
22	9.7	26	39	712	69	304	77	495	15	38	4.3	3.2
23	10	674	47	995	63	186	69	361	17	58	3.9	3.5
24	8.9	536	157	229	56	228	63	190	79	36	4.3	3.7
25	7.9	616	89	154	53	151	148	127	97	26	4.5	3.9
26	7.6	471	63	199	46	129	780	100	52	34	4.5	4.9
27	7.2	159	53	175	45	190	209	77	28	124	4.5	5.1
28	7.2	113	47	137	46	1390	124	65	21	63	6.7	5.6
29	8.9	90	45	119	45	781	92	55	18	47	7.6	7.9
30	9.7	79	71	111	---	1170	77	49	15	29	5.8	53
31	169	---	55	111	---	311	---	40	---	21	5.6	---
TOTAL	562.0	4396	1903	6072	3785	11935	9991	7258	763	689.5	194.0	182.8
MEAN	18.1	147	61.4	196	131	385	333	234	25.4	22.2	6.26	6.09
MAX	169	674	162	995	715	1500	2950	1840	97	124	16	53
MIN	7.2	15	32	42	45	43	63	36	13	6.4	3.7	2.8
CFSM	.35	2.82	1.18	3.76	2.51	7.39	6.39	4.49	.49	.43	.12	.12
IN.	.40	3.14	1.36	4.34	2.70	8.52	7.13	5.18	.54	.49	.14	.13

CAL YR 1979 TOTAL 44689.4 MEAN 122 MAX 4050 MIN 3.2 CFSM 2.34 IN 31.91
WTR YR 1980 TOTAL 47731.3 MEAN 130 MAX 2950 MIN 2.8 CFSM 2.50 IN 34.08

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mi (1.0 km) southeast of Arundel, and at mi 16.3 (26.2 km).

DRAINAGE AREA.--342 mi^2 (886 km^2).

PERIOD OF RECORD.--October 1968 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft (78.955 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft (120 m) downstream at same datum.

REMARKS.--Records fair. Flow from 154 mi^2 (399 km^2) above the station, 21.3 mi (34.3 km) upstream, regulated by Okatibbee Lake since November 1968.

COOPERATION.--Five discharge measurements were furnished by Corps of Engineers.

AVERAGE DISCHARGE.--12 years, 577 ft^3/s (16.34 m^3/s), 22.91 in/yr (582 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft^3/s (581 m^3/s) Apr. 13, 1979, gage height, 21.51 ft (6.556 m); minimum daily, 20 ft^3/s (0.57 m^3/s) Oct. 5, 26, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1961 reached a stage of 22.2 ft (6.77 m) at county road bridge 400 ft (120 m) downstream (from information by Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft^3/s (286 m^3/s) Apr. 13, gage height, 19.45 ft (5.928 m); minimum, 80 ft^3/s (2.3 m^3/s) Oct. 28-29, gage height 2.91 ft (0.887 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	556	855	456	1190	429	2290	1530	1150	300	144	120
2	202	278	824	449	1140	453	1990	1540	1200	200	138	118
3	155	159	792	441	1110	441	1890	1530	1210	174	132	118
4	143	129	775	479	1080	365	1660	1490	1160	165	128	118
5	138	116	616	493	963	638	1630	1440	941	160	150	116
6	131	112	524	475	911	721	1640	1410	855	155	130	117
7	125	108	511	454	667	773	1720	1380	803	150	129	116
8	121	106	374	381	537	2410	1790	1370	775	160	127	117
9	118	170	289	354	1510	1320	1750	1190	797	165	137	118
10	109	1380	279	404	2850	755	1610	846	541	155	153	117
11	108	636	271	1230	1640	650	1650	768	374	145	132	118
12	106	382	267	1550	1220	654	4450	740	329	140	127	117
13	104	255	405	973	1250	937	8100	721	291	135	126	119
14	100	202	799	901	1210	997	8040	806	266	132	129	119
15	97	174	522	937	1180	1160	3330	751	248	128	125	120
16	95	162	409	1300	1110	1270	2170	1090	233	128	123	118
17	93	152	376	2300	747	2580	1960	3800	224	180	122	116
18	91	146	493	1320	851	3760	1880	4510	218	240	122	121
19	90	142	573	968	797	2160	1830	2330	500	230	121	129
20	88	140	575	1020	729	2540	1760	2950	400	220	119	125
21	86	137	571	1100	770	4650	1680	1980	272	450	125	122
22	84	135	566	1910	661	3350	1610	2120	259	500	119	121
23	93	1070	568	3770	506	2020	1550	2510	246	300	117	120
24	88	1950	773	2250	479	1890	1500	1980	272	250	118	119
25	84	1670	839	1300	453	1780	1470	1660	477	225	118	118
26	84	2500	766	1480	434	1720	3040	1660	502	210	119	118
27	83	1100	689	1360	424	1780	2360	1620	446	240	117	118
28	82	906	636	1060	422	3410	1510	1580	442	240	121	117
29	82	958	504	1080	422	4240	1420	1520	435	200	151	127
30	85	894	355	1170	---	4880	1490	1240	429	170	127	376
31	394	---	417	1230	---	3350	---	1070	---	168	121	---
TOTAL	3683	16825	17213	34595	27263	58083	70770	51132	16295	6415	3967	4013
MEAN	119	561	555	1116	940	1874	2359	1649	543	207	128	134
MAX	394	2500	855	3770	2850	4880	8100	4510	1210	500	153	376
MIN	82	106	267	354	422	365	1420	721	218	128	117	116
CFSM	.35	1.64	1.62	3.26	2.75	5.48	6.90	4.82	1.59	.61	.37	.39
IN.	.40	1.83	1.87	3.76	2.97	6.32	7.70	5.56	1.77	.70	.43	.44

CAL YR 1979 TOTAL 330217 MEAN 905 MAX 13500 MIN 82 CFSM 2.65 IN 35.92
WTR YR 1980 TOTAL 310254 MEAN 848 MAX 8100 MIN 82 CFSM 2.48 IN 33.75

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.42	6.34	7.78	5.80	9.92	6.10	13.69	11.19	9.41		---	3.47
2	4.20	4.64	7.64	5.76	9.72	6.25	12.73	11.27	9.58		---	3.45
3	3.77	3.72	7.50	5.71	9.58	6.17	12.38	11.23	9.55		---	3.45
4	3.62	3.44	7.42	5.93	9.46	5.64	11.58	11.08	9.30		---	3.44
5	3.53	3.31	6.66	6.01	8.93	7.25	11.47	10.92	8.37		---	3.42
6	3.46	3.27	6.17	5.91	8.69	7.75	11.49	10.77	7.95		3.69	3.42
7	3.40	3.23	6.11	5.79	7.46	7.76	11.77	10.66	7.68		3.67	3.41
8	3.36	3.20	5.30	5.34	6.74	14.29	12.00	10.66	7.52		3.65	3.41
9	3.33	3.65	4.75	5.17	10.87	10.39	11.86	9.92	7.58		3.73	3.42
10	3.24	9.80	4.68	5.49	15.31	7.94	11.36	8.38	6.27		3.87	3.41
11	3.22	6.74	4.62	9.07	11.65	7.38	11.49	7.99	5.31		3.68	3.41
12	3.20	5.35	4.59	10.60	10.10	7.39	16.81	7.85	5.02		3.63	3.40
13	3.18	4.50	5.44	8.54	10.21	8.80	18.79	7.76	4.76		3.61	3.41
14	3.14	4.09	7.53	8.30	10.05	9.07	18.76	8.19	4.58		3.64	3.41
15	3.10	3.86	6.16	8.56	9.91	9.75	15.85	7.93	4.45		3.60	3.41
16	3.08	3.75	5.52	10.07	9.64	10.25	13.28	9.41	4.34		3.57	3.39
17	3.06	3.66	5.32	13.80	7.92	14.52	12.62	15.86	4.27		3.56	4.40
18	3.04	3.60	6.00	10.33	8.43	16.53	12.36	17.06	4.22		3.55	3.79
19	3.02	3.57	6.44	8.90	8.16	13.38	12.20	14.09	---		3.54	3.49
20	3.00	3.55	6.45	9.12	7.84	14.47	11.97	15.49	---		3.52	3.44
21	2.98	3.52	6.43	9.50	8.05	17.40	11.68	12.90	4.63		3.57	3.41
22	2.96	3.50	6.40	12.34	7.46	15.90	11.42	13.41	4.53		3.50	3.39
23	3.06	8.01	6.41	16.58	6.58	12.90	11.21	14.70	4.44		3.48	3.38
24	3.00	11.67	7.39	13.66	6.42	12.48	11.04	12.91	4.62		3.49	3.36
25	2.96	10.61	7.71	10.33	6.26	12.07	10.96	11.74	5.91		3.48	3.35
26	2.96	13.29	7.38	11.03	6.13	11.85	15.53	11.67	6.06		3.49	3.35
27	2.94	8.70	7.02	10.57	6.07	12.06	13.96	11.48	5.74		3.47	3.34
28	2.93	7.99	6.76	9.36	6.06	15.80	11.13	11.25	5.72		3.50	3.33
29	2.93	8.22	6.05	9.43	6.06	16.99	10.79	10.99	5.68		3.78	3.42
30	2.97	7.95	5.19	9.83	---	17.53	11.03	9.87	5.64		3.55	5.18
31	4.90	---	5.57	10.08	---	15.95	---	9.12	---		3.49	---
MEAN	3.29	5.69	6.27	8.93	8.61	11.36	12.77	11.22	---	---	---	3.51
MAX	4.90	13.29	7.78	16.58	15.31	17.53	18.79	17.06	---	---	---	5.18
MIN	2.93	3.20	4.59	5.17	6.06	5.64	10.79	7.76	---	---	---	3.33

CAL YR 1979 MEAN 7.05 MAX 20.24 MIN 2.93

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--918 mi² (2,378 km²), revised.

PERIOD OF RECORD.--August 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1334: 1953. WRD Miss. 1966: 1965.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good. Flow from 154 mi² (399 km²) above the station, regulated by Okatibbee Lake since November 1968.

AVERAGE DISCHARGE.--42 years, 1,262 ft³/s (35.74 m³/s), 18.67 in/yr (474 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961, gage height, 42.94 ft (13.088 m), present datum; minimum, 18 ft³/s (0.51 m³/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (1.204 m) present datum, Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of 42.2 ft (12.86 m) present datum, from floodmark (from reports of National Weather Service).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 14	2030	10800	306	25.46	7.760	Apr. 15	0300	*27600	782	35.51	10.823
Mar. 22	1530	13800	391	27.72	8.449	May 19	0200	13300	377	27.37	8.342
Mar. 31	0130	17800	504	30.32	9.242						

Minimum discharge, 150 ft³/s (4.25 m³/s) Sept. 12, 13, 14, 17, gage height, 5.46 ft (1.664 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	579	1060	1650	1150	2480	997	14200	2640	1620	605	331	230
2	525	861	1510	1030	2260	1110	7640	2680	1620	450	291	208
3	441	554	1390	962	2080	1080	4920	2820	1570	407	279	192
4	403	396	1310	1050	1980	943	4080	2840	1490	380	287	183
5	376	334	1210	1280	1880	1390	3370	2540	1220	366	271	178
6	353	310	1080	1190	1990	2690	2930	2250	1070	353	257	173
7	336	299	1040	1040	1960	2950	2940	2110	1010	336	261	166
8	319	290	912	969	1490	6410	3150	2070	1270	369	245	163
9	306	392	741	881	3340	5820	3250	2030	2470	414	230	159
10	295	2400	687	1020	7640	3660	2880	1620	1480	375	263	158
11	293	2180	659	2400	8020	2190	2760	1350	921	344	242	155
12	284	1480	651	4900	7070	1740	9260	1260	605	314	228	151
13	277	903	940	5550	4720	2930	16100	1210	521	293	228	151
14	265	665	2830	5480	3170	4180	24700	1230	474	279	223	155
15	248	560	3180	3340	2510	4410	25700	1370	443	267	217	159
16	242	501	2730	2770	2420	3300	15500	1830	419	267	206	156
17	237	474	1910	5380	2050	5120	7030	7930	400	329	197	194
18	234	467	1340	5190	1790	9900	4650	12500	380	349	190	371
19	227	447	1310	3960	1820	12300	3940	12800	738	333	187	215
20	221	424	1230	2920	1580	12400	3430	10800	563	340	183	210
21	216	405	1160	2330	1630	13300	2990	7490	496	529	192	194
22	213	391	1120	3780	1540	13600	2720	6030	469	560	183	188
23	212	1470	1140	8770	1280	12100	2540	7230	462	915	169	180
24	209	3880	1710	10400	1170	7290	2400	6830	733	555	166	173
25	207	4740	2430	9550	1090	5260	2320	5370	1650	469	166	168
26	204	6920	2180	6180	1020	4300	5640	3870	1560	380	168	163
27	204	6800	1590	4260	969	3930	7110	2910	1140	524	166	158
28	204	6210	1330	3200	950	8170	6790	2460	988	537	217	155
29	213	3880	1180	2440	943	11900	4550	2240	776	648	316	217
30	235	2120	1020	2320	---	16200	3070	1860	701	496	219	484
31	448	---	1130	2400	---	17300	---	1530	---	403	245	---
TOTAL	9026	51813	44300	108092	72842	198870	202560	123700	29259	13186	7023	5807
MEAN	291	1727	1429	3487	2512	6415	6752	3990	975	425	227	194
MAX	579	6920	3180	10400	8020	17300	25700	12800	2470	915	331	484
MIN	204	290	651	881	943	943	2320	1210	380	267	166	151
CFSM	.32	1.88	1.56	3.80	2.74	6.99	7.36	4.35	1.06	.46	.25	.21
IN.	.37	2.10	1.80	4.38	2.95	8.06	8.21	5.01	1.19	.53	.28	.24

CAL YR 1979 TOTAL 879591 MEAN 2410 MAX 45300 MIN 204 CFSM 2.63 IN 35.64
WTR YR 1980 TOTAL 866478 MEAN 2367 MAX 25700 MIN 151 CFSM 2.58 IN 35.11

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.63	9.25	10.73	9.35	12.90	8.71	27.96	13.31	10.63	7.45	6.49	5.92
2	7.41	8.63	10.34	9.00	12.33	9.05	22.41	13.43	10.63	6.85	6.30	5.80
3	7.06	7.54	10.04	8.77	11.84	8.95	18.52	13.79	10.51	6.66	6.24	5.71
4	6.89	6.89	9.81	9.05	11.58	8.53	16.90	13.85	10.31	6.55	6.28	5.66
5	6.77	6.58	9.51	9.70	11.31	9.79	15.22	13.06	9.55	6.49	6.20	5.63
6	6.66	6.44	9.12	9.46	11.60	13.36	14.07	12.29	9.11	6.42	6.13	5.60
7	6.58	6.37	9.00	9.00	11.53	14.01	14.11	11.94	8.93	6.35	6.15	5.56
8	6.50	6.31	8.60	8.79	10.31	20.83	14.66	11.83	9.57	6.49	6.07	5.54
9	6.44	6.71	8.04	8.51	14.81	19.98	14.92	11.71	12.91	6.70	5.99	5.52
10	6.39	12.65	7.85	8.96	22.45	15.95	13.93	10.62	10.27	6.53	6.16	5.51
11	6.39	12.10	7.75	12.70	22.85	12.13	13.62	9.93	8.62	6.39	6.05	5.49
12	6.35	10.26	7.72	18.48	21.62	10.95	23.72	9.67	7.54	6.25	5.98	5.47
13	6.32	8.57	8.65	19.58	17.97	14.07	29.17	9.53	7.23	6.15	5.98	5.47
14	6.26	7.77	13.81	19.46	14.54	17.13	34.00	9.58	7.04	6.08	5.95	5.49
15	6.18	7.38	14.73	15.14	12.81	17.59	34.56	9.96	6.91	6.02	5.92	5.52
16	6.15	7.15	13.55	13.63	12.58	15.04	28.77	11.11	6.81	6.02	5.86	5.50
17	6.13	7.03	11.38	19.30	11.60	18.55	21.62	22.37	6.73	6.32	5.81	5.70
18	6.12	7.01	9.90	18.97	10.90	24.70	18.04	26.76	6.64	6.41	5.77	6.57
19	6.09	6.93	9.80	16.64	10.98	26.64	16.59	27.04	7.99	6.34	5.75	5.84
20	6.06	6.83	9.57	14.06	10.36	26.74	15.39	25.48	7.39	6.36	5.73	5.81
21	6.05	6.75	9.38	12.51	10.50	27.38	14.25	22.33	7.13	7.21	5.78	5.72
22	---	6.69	9.25	15.97	10.25	27.63	13.52	20.33	7.02	7.37	5.73	5.69
23	---	9.89	9.30	23.70	9.54	26.44	13.05	22.01	6.99	8.67	5.65	5.64
24	6.03	16.47	10.87	25.11	9.24	22.05	12.68	21.47	7.86	7.43	5.63	5.60
25	6.01	18.12	12.77	24.37	9.00	19.11	12.49	19.27	10.64	7.09	5.63	5.57
26	5.97	21.61	12.12	20.50	8.77	17.37	19.60	16.42	10.38	6.71	5.64	5.54
27	5.96	21.43	10.55	17.28	8.62	16.57	21.87	14.01	9.22	7.23	5.63	5.51
28	5.95	20.58	9.86	14.77	8.56	22.89	21.41	12.85	8.75	7.35	5.86	5.49
29	5.99	16.46	9.44	12.80	8.54	26.30	17.84	12.27	8.07	7.78	6.34	5.84
30	6.11	11.93	8.96	12.49	---	29.37	14.45	11.25	7.81	7.19	5.86	7.00
31	7.02	---	9.27	12.70	---	30.05	---	10.41	---	6.81	6.00	---
MEAN	---	10.28	10.05	14.54	12.41	18.64	18.98	15.16	8.64	6.76	5.95	5.70
MAX	---	21.61	14.73	25.11	22.85	30.05	34.56	27.04	12.91	8.67	6.49	7.00
MIN	---	6.31	7.72	8.51	8.54	8.53	12.49	9.53	6.64	6.02	5.63	5.47

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°50'55", long 88°41'24", in SE¼ sec.9, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on U.S. Highway 45, 1.0 mi (1.6 km) southeast of Shubuta and at mile 113.4 (182.5 km).

DRAINAGE AREA.--1,458 mi² (3,776 km²).

PERIOD OF RECORD.--January 1972 to current year (gage heights only); 1905 to 1961 annual maximum observed gage heights and discharge. Gage height records collected in the vicinity October 1904 to December 1971 (seasonal gage heights only January 1906 to December 1923) are contained in reports of National Weather Service.

REVISED RECORDS.--WDR MS-79-1:(M).

GAGE.--Nonrecording gage. Datum of gage is 147.30 ft (44.897 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 13, 1940, at site 3,500 ft (1,070 m) upstream at datum 3.87 ft (1.180 m) higher.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s (2,440 m³/s) Dec. 11, 1919 (gage height, 44.3 ft or 13.50 m, former site and datum, 47.2 ft or 14.39 m at present site and datum). 1904 to current year: Maximum gage height, 47.2 ft (14.39 m) Dec. 11, 1919; minimum since January 1972, 3.10 ft (0.945 m) Sept. 17, 18, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum observed, 38.32 ft (11.680 m) Apr. 17; minimum observed, 3.17 ft (0.966 m) Sept. 11, 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.05	8.73	18.44				31.73	19.25	10.00	6.12	5.09	3.83
2	5.73	9.23	14.47				32.69	14.18	9.74	5.72	4.89	3.80
3	5.24	7.32	9.49				32.81	13.92	9.62	5.35	4.77	3.64
4	5.02	5.92	9.43				31.29	15.47	9.46	5.09	4.68	3.50
5	4.87	5.19	8.47				27.90	14.38	9.00	4.91	4.52	3.48
6	4.51	5.15	8.43				21.53	12.61	8.46	4.77	4.28	3.47
7	4.44	5.12	8.19				16.66	11.65	8.00	4.66	4.20	3.44
8	4.06	4.98	7.93				16.19	11.22	7.81	4.63	4.16	3.42
9	4.06	4.37	7.50				17.54	10.84	8.67	4.61	4.08	3.33
10	4.05	4.98	6.88				16.20	10.42	12.74	4.60	3.99	3.24
11	4.05	15.74	6.61				14.87	10.00	10.70	4.59	3.89	3.17
12	4.05	15.08	6.17				23.33	8.60	9.01	4.44	3.93	3.17
13	3.97	11.62	5.87				30.96	8.28	8.13	4.32	3.96	3.21
14	3.93	8.48	10.75				33.18	8.00	7.17	4.22	3.90	3.29
15	3.90	6.74	14.75				34.01	8.12	5.82	4.13	3.86	3.32
16	3.89	5.35	14.87				37.03	8.84	5.63	4.06	3.82	3.35
17	3.88	5.46	---				38.32	17.26	5.91	4.18	3.73	3.39
18	3.86	5.38	---				36.11	23.19	6.11	4.49	3.64	3.79
19	3.84	5.03	---				32.77	27.35	5.19	4.59	3.72	4.32
20	3.61	5.01	---				28.54	28.95	5.31	4.64	3.93	4.38
21	3.57	4.89	---				22.32	30.26	5.72	4.69	3.66	4.01
22	3.54	4.78	---				15.64	30.14	5.96	5.34	3.30	3.52
23	3.52	7.42	---				13.25	29.40	5.79	5.99	3.29	3.47
24	3.54	16.87	---				12.50	27.09	6.57	8.29	3.28	3.42
25	3.58	18.46	---				12.10	26.01	8.21	8.36	3.27	3.31
26	3.62	22.54	---				19.00	22.89	9.63	5.81	3.27	3.23
27	3.63	24.71	---				20.83	21.76	9.41	5.15	3.28	3.26
28	3.64	22.37	---				19.87	18.46	8.11	6.17	3.38	3.36
29	3.65	21.72	---				20.00	12.80	7.35	5.92	3.44	3.44
30	3.62	20.37	---				20.70	11.50	6.73	5.78	3.65	3.65
31	3.62	---	---				---	10.80	---	5.45	3.74	---
MEAN	4.08	10.30	---	---	---	---	24.33	16.89	7.87	5.20	3.89	3.51
MAX	6.05	24.71	---	---	---	---	38.32	30.26	12.74	8.36	5.09	4.38
MIN	3.52	4.37	---	---	---	---	12.10	8.00	5.19	4.06	3.27	3.17

02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS

LOCATION.--Lat 31°41'43", long 88°40'12", in NW¼ sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, at downstream side of bridge on county road, 0.4 mi (0.6 km) west of Woodwards, and 2.1 mi (3.4 km) northwest of intersection of U.S. Highways 45 and 84 in Waynesboro, and at mile 94.6 (152.2 km).

DRAINAGE AREA.--1,648 mi² (4,268 km²), revised.

PERIOD OF RECORD.--Water years 1978 to current year.

REMARKS.--Stream discharge determined 1.4 mi (2.2 km) downstream (station 02477500) from 8:00 a.m. gage height on day of sample collection.

COOPERATION.--8:00 a.m. gage heights for station 02477500 furnished by National Weather Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1800	953	191	7.2	19.0	50	7.0	9.0	K31	.33	.020
NOV											
09...	1530	917	144	6.4	16.0	35	8.0	8.8	K62	.20	.000
DEC											
18...	1130	4440	87	7.3	10.0	90	30	9.3	350	.10	.010
JAN											
17...	1030	5650	75	7.1	11.0	50	12	9.9	3600	.12	.010
FEB											
12...	1300	8680	56	6.8	6.0	50	15	7.9	120	.05	.020
MAR											
07...	1700	2680	85	7.1	12.0	50	20	8.8	180	.18	.010
APR											
03...	1430	18300	46	6.3	17.0	50	60	7.1	220	.02	.010
MAY											
08...	1400	3470	78	6.9	20.0	45	32	8.3	280	.15	.010
JUN											
05...	0900	2560	80	7.0	25.0	55	29	7.1	K100	.22	.010
JUL											
01...	0945	1500	100	7.1	28.0	55	20	6.9	270	.30	.010
AUG											
06...	1030	752	106	7.2	28.5	50	14	7.5	K700	.31	.010
SEP											
04...	1100	528	145	7.5	31.0	15	5.0	7.5	160	.37	.010

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
11...	.35	.020	.26	.28	.63	2.8	.060	.070	12	42	108
NOV											
09...	.20	.030	.21	.24	.44	1.9	.020	.020	5.8	54	134
DEC											
18...	.11	.050	.44	.49	.60	2.7	.070	.030	8.2	80	959
JAN											
17...	.13	.070	.79	.86	.99	4.4	.090	.100	6.2	171	2610
FEB											
12...	.07	.030	.53	.56	.63	2.8	.080	.030	8.5	112	2630
MAR											
07...	.19	.040	.30	.34	.53	2.3	.120	.020	--	115	832
APR											
03...	.03	.040	.26	.30	.33	1.5	.070	.010	6.7	69	3410
MAY											
08...	.16	.040	.44	.48	.64	2.8	.090	.020	4.8	122	1140
JUN											
05...	.23	.020	.54	.56	.79	3.5	.100	.020	5.5	64	442
JUL											
01...	.31	.020	.31	.33	.64	2.8	.080	.020	3.4	33	134
AUG											
06...	.32	.010	.24	.25	.57	2.5	.100	.040	5.2	24	49
SEP											
04...	.38	.040	.17	.21	.59	2.6	.080	.040	5.4	36	51

02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT											
11...	44	8	14	2.1	18	51	1.2	20	1.7	44	0

DATE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT											
11...	36	4.4	5.1	29	<10	<10	<10	<10	.00	10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
11...	0	.0	.0	0	.0	.0	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT									
11...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP IN BOTTOM MATERIL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
11...	.0	.0	.00	0	.0	0	.0	0	.0

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft (5.5 m) downstream from bridge on U.S. Highway 84, 2.3 mi (3.7 km) west of Waynesboro, and at mile 93.2 (150.0 km).

DRAINAGE AREA.--1,650 mi² (4,270 km²).

PERIOD OF RECORD.--September 1938 to September 1950; January 1972 to current year (gage heights only). Gage-height records collected at same site January 1947 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage and telemark gage. Datum of gage is 119.91 ft (36.549 m) Mississippi State Highway Department datum. September 1938 to May 4, 1939, wire-weight gage and May 5, 1939, to September 1950, water-stage recorders, at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--12 years (1938-50), 2,575 ft³/s (72.9 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s (736 m³/s) Jan. 24, 1947 (gage height, 39.00 ft or 11.887 m); minimum, 149 ft³/s (4.22 m³/s) Aug. 28, 1943 (gage height, 2.48 ft or 0.756 m). 1947 to current year: Maximum gage height, 47.90 ft (14.600 m) Feb. 26, 1961 (discharge, 58,300 ft³/s or 1,651 m³/s); minimum since January 1972, 0.80 ft (0.244 m) Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.70 m) at site 1.3 mi (2.1 km) upstream, at datum 2.95 ft (0.899 m) higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed, 38.65 ft (11.780 m) Apr. 18, minimum observed, 4.09 ft (1.247 m) Sept. 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.59	11.71	21.89	10.06	14.80	8.85	32.68	21.62	11.61	7.97	6.80	5.08
2	7.84	11.77	15.44	10.15	14.32	8.78	32.77	18.42	11.24	7.41	6.29	4.82
3	7.50	10.06	11.99	10.01	13.80	8.94	33.54	15.85	11.20	7.10	5.87	4.78
4	7.21	8.78	11.31	9.23	12.95	9.09	33.40	16.94	11.05	6.59	6.07	4.63
5	6.91	7.00	10.87	9.48	12.41	9.05	31.60	16.71	10.83	6.32	5.82	4.47
6	6.76	7.02	10.70	9.92	12.39	9.02	27.74	15.51	10.49	6.11	5.52	4.32
7	6.62	6.70	10.83	10.16	12.96	11.13	23.23	13.87	9.86	5.95	5.43	4.25
8	6.50	6.01	10.51	10.32	13.03	14.73	19.35	13.06	9.44	5.84	5.22	4.25
9	6.41	6.09	9.92	10.48	12.32	18.98	19.46	12.58	9.35	5.84	5.14	4.24
10	6.30	5.92	9.33	10.61	16.21	20.02	18.64	12.37	12.87	5.80	5.21	4.23
11	6.21	13.01	8.85	10.25	21.00	20.56	17.28	11.90	13.14	5.90	5.42	4.22
12	6.13	17.39	8.64	17.10	22.54	20.94	18.52	10.87	11.55	5.73	5.28	4.12
13	6.05	15.32	8.52	19.59	22.87	17.31	28.57	10.35	10.34	5.59	5.32	4.11
14	5.98	12.08	10.47	19.45	23.24	12.98	34.10	10.10	9.09	5.43	5.15	4.35
15	5.88	9.49	15.03	19.20	23.35	14.58	34.65	10.08	7.81	5.36	5.04	4.26
16	5.78	8.36	16.77	19.23	20.01	15.79	35.65	10.10	7.52	5.23	4.93	4.17
17	5.74	7.82	16.65	17.74	14.57	16.22	38.00	15.88	7.28	5.15	4.80	4.26
18	5.63	7.45	15.30	19.15	13.38	20.21	38.65	24.74	7.12	5.95	4.73	4.64
19	5.43	7.24	12.30	20.85	12.15	22.01	36.71	27.74	7.15	5.96	4.66	5.05
20	5.33	7.12	10.99	20.94	11.84	22.39	33.48	29.11	7.35	6.06	5.18	5.26
21	5.29	7.00	10.59	20.52	11.36	24.27	28.85	30.51	8.69	6.21	4.90	5.26
22	5.25	6.84	10.33	18.36	11.19	26.12	23.74	31.06	7.95	6.53	4.43	4.80
23	5.24	7.77	10.16	19.19	11.10	27.59	16.29	30.85	7.45	7.62	4.30	4.48
24	5.27	18.53	10.16	21.42	10.62	28.46	14.91	29.86	7.64	8.05	4.27	4.34
25	5.38	19.99	11.71	22.57	10.05	29.16	14.21	27.34	8.01	9.24	4.23	4.31
26	5.48	22.83	13.55	22.83	9.70	29.27	20.49	25.29	9.68	7.91	4.22	4.39
27	5.41	24.78	14.19	24.67	9.33	28.18	23.21	23.95	11.22	7.06	4.24	4.29
28	5.34	24.54	12.91	25.18	9.08	29.32	22.76	22.70	10.63	6.83	4.52	4.12
29	5.32	23.75	11.17	24.03	8.85	31.14	21.71	18.47	9.36	7.72	4.52	4.09
30	5.42	23.13	10.59	20.39	---	32.93	21.46	13.65	8.74	8.31	4.59	4.67
31	5.61	---	10.33	15.03	---	---	---	12.81	---	7.30	5.14	---
MEAN	6.06	12.18	12.00	16.71	14.19	---	26.52	18.85	9.52	6.58	5.07	4.48
MAX	8.59	24.78	21.89	25.18	23.35	---	38.65	31.06	13.14	9.24	6.80	5.26
MIN	5.24	5.92	8.52	9.23	8.85	---	14.21	10.08	7.12	5.15	4.22	4.09

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 2.7 mi (4.3 km) north of Denham, and 8.7 mi (14.0 km) east of Waynesboro.

DRAINAGE AREA.--492 mi² (1,274 km²).

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft (43.023 m) National Geodetic Vertical Datum of 1929. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 957 ft³/s (27.10 m³/s), 26.41 in/yr (671 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s (346 m³/s) Mar. 6, 1979, gage height, 34.90 ft (10.638 m), minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972, gage height, 3.92 ft (1.195 m).

EXTREMES FOR CURRENT YEAR.--Peaks above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 18	1500	4100	116	19.60	5.974	Apr. 27	0930	4330	123	10.21	6.160
Apr. 1	1100	8230	233	28.65	8.733	May 23	0800	5850	166	23.77	7.245
Apr. 16	0530	*10500	297	32.78	9.991						

Minimum discharge, 29 ft³/s (0.82 m³/s) Sept. 16, gage height, 4.40 ft (1.341 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	1940	3360	692	1660	497	8150	1970	709	300	378	49
2	371	2480	2740	654	1320	493	7510	1580	632	250	262	76
3	324	2230	1390	584	1160	503	6540	1570	564	245	203	83
4	287	2010	906	654	1020	513	5450	1680	513	215	184	71
5	262	1770	791	758	914	547	4290	1670	472	191	160	58
6	241	1680	992	765	1000	593	3100	1610	438	175	149	50
7	229	1240	1220	765	1100	674	2290	1380	405	160	133	47
8	218	639	1030	1010	1030	1390	2410	987	380	148	119	43
9	205	491	885	1000	1530	1450	2440	791	374	137	109	40
10	187	485	762	1100	2780	1380	2340	716	462	134	104	38
11	172	774	668	1570	2540	1520	2020	652	801	131	107	35
12	160	1220	615	2400	2260	1800	2930	586	979	124	94	34
13	151	1490	621	2020	2210	2210	5330	534	929	118	88	33
14	145	1860	1650	1830	2340	2400	7020	534	553	112	89	32
15	140	2310	1540	1720	2490	1700	9250	593	419	106	98	31
16	137	2520	1410	1690	2220	927	10400	659	353	101	89	30
17	130	1760	1290	1860	1350	1400	9220	2710	311	145	85	37
18	125	760	1090	2030	1030	3870	7310	3820	314	211	77	64
19	120	602	822	1930	942	3450	5620	3700	342	140	71	47
20	116	530	712	1910	849	2640	4140	4640	363	172	67	41
21	112	485	650	2060	789	2740	2900	4900	665	155	64	41
22	108	450	610	2360	753	2810	1990	5550	621	239	64	56
23	104	1530	602	3380	727	2780	1510	5790	470	351	56	55
24	106	3300	827	3400	692	2950	1210	5430	600	333	52	50
25	103	3370	1150	3050	646	3340	1030	4990	1000	347	52	47
26	113	3720	1080	2810	591	3650	3690	4820	1500	336	50	45
27	131	3410	963	3140	549	3980	4220	3740	1000	292	58	40
28	122	3350	779	3380	522	5980	3570	2620	750	762	70	37
29	113	3540	654	3280	503	6430	2840	1520	500	1110	55	39
30	109	3630	654	2620	---	7440	2230	1010	350	1180	50	62
31	293	---	714	1940	---	7640	---	815	---	659	52	---
TOTAL	5563	55576	33177	58362	37517	79697	132950	73567	17769	9079	3289	1411
MEAN	179	1853	1070	1883	1294	2571	4432	2373	592	293	106	47.0
MAX	429	3720	3360	3400	2780	7640	10400	5790	1500	1180	378	83
MIN	103	450	602	584	503	493	1030	534	311	101	50	30
CFSM	.36	3.77	2.18	3.83	2.63	5.23	9.01	4.82	1.20	.60	.22	.10
IN.	.42	4.20	2.51	4.41	2.84	6.03	10.05	5.56	1.34	.69	.25	.11

CAL YR 1979 TOTAL 452334 MEAN 1239 MAX 11700 MIN 75 CFSM 2.52 IN 34.20
WTR YR 1980 TOTAL 507957 MEAN 1388 MAX 10400 MIN 30 CFSM 2.82 IN 38.41

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi (0.8 km) southeast of Leakesville, 1.8 mi (2.9 km) upstream from Faulk Ditch, and 29.1 mi (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi² (6,967 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1504: 1938-39.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft (15.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 3,927 ft³/s (111.2 m³/s), 19.82 in/yr (503 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s (2,080 m³/s) Feb. 28, 1961, gage height, 33.52 ft (10.217 m); minimum, 160 ft³/s (4.53 m³/s) Oct. 30, 31, 1963, gage height, 6.74 ft (2.054 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft³/s (1,950 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,400 ft³/s (1,140 m³/s) Apr. 19, gage height, 29.87 ft (9.104 m); minimum, 598 ft³/s (16.9 m³/s) Sept. 15, 17, 18, gage height, 9.05 ft (2.758 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2720	6050	15000	3480	11900	2890	35600	15900	6750	2540	2390	869
2	2390	9240	14100	3360	8920	2850	34400	14700	5340	2150	1890	913
3	2090	7310	11000	3290	7390	2810	34700	12900	4700	1930	1590	913
4	1890	5030	6700	3210	6480	2810	34300	10300	4370	1780	1430	882
5	1740	3880	4770	3370	5710	2880	33900	9810	4100	1620	1410	865
6	1610	3230	4850	3590	5390	3020	32600	9480	3880	1510	1360	831
7	1520	2850	6300	3630	5690	3250	29900	8490	3610	1430	1260	776
8	1450	2550	5710	3650	5710	6360	26300	7390	3290	1430	1190	726
9	1370	2130	4650	3980	5770	8280	21900	6680	3100	1370	1110	686
10	1320	1940	3970	4370	7680	9370	17400	6020	3150	1310	1110	666
11	1260	2090	3500	5130	10500	9900	14500	5300	4100	1260	1200	646
12	1220	4480	3160	8290	12300	10300	15000	4720	4550	1250	1260	631
13	1180	6540	3070	10300	13100	11000	20300	4140	4110	1190	1150	616
14	1150	5790	4810	10800	13400	9970	24700	3830	3670	1140	1090	605
15	1130	4470	7090	10500	13600	7520	29000	3800	2980	1090	1040	601
16	1100	3830	7970	10000	13700	7310	32300	4100	2410	1050	1020	605
17	1080	3650	8360	9900	12400	7520	34200	12300	2160	1030	1010	598
18	1160	3290	7710	10100	8330	11300	36900	17400	2020	1020	948	601
19	1070	2410	6480	10900	5960	14100	39700	18000	1970	1190	904	674
20	1020	2000	4850	11500	5070	15200	40100	22100	2050	1260	865	768
21	975	1840	4050	11500	4720	15700	37500	24100	2120	1480	882	801
22	948	1730	3710	11200	4540	15800	32900	24700	2540	1640	913	814
23	966	2230	3540	11200	4470	16100	27000	25300	2460	1680	865	759
24	1020	8140	3740	12400	4250	17000	19500	25800	2230	1960	801	666
25	988	12600	4590	13600	3870	18000	12000	26100	2270	2180	768	639
26	944	15200	5170	14400	3520	19300	12500	27100	2410	2350	743	642
27	931	16300	5540	14700	3260	21000	16500	27000	2960	2020	734	714
28	913	16600	5400	15100	3080	24200	18100	24900	3630	1810	755	702
29	900	16300	4600	15600	2940	28600	18400	22000	3700	2050	776	698
30	900	15700	3840	15900	---	35700	17400	16900	3030	2720	789	2060
31	1370	---	3600	14900	---	36500	---	10200	---	2870	801	---
TOTAL	40325	189400	181830	283850	213650	396540	799500	451460	99660	51310	34054	22967
MEAN	1301	6313	5865	9156	7367	12790	26650	14560	3322	1655	1099	766
MAX	2720	16600	15000	15900	13700	36500	40100	27100	6750	2870	2390	2060
MIN	900	1730	3070	3210	2940	2810	12000	3800	1970	1020	734	598
CFSM	.48	2.35	2.18	3.40	2.74	4.76	9.91	5.41	1.24	.62	.41	.29
IN.	.56	2.62	2.51	3.93	2.95	5.48	11.06	6.24	1.38	.71	.47	.32

CAL YR 1979 TOTAL 2577792 MEAN 7062 MAX 45800 MIN 852 CFSM 2.63 IN 35.65
WTR YR 1980 TOTAL 2764546 MEAN 7553 MAX 40100 MIN 598 CFSM 2.81 IN 38.23

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944-47, 1952, 1958-75, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1600	1260	115	6.4	21.0	60	7.0	8.1	K62	.19	.010
NOV											
09...	1400	2170	85	6.3	16.5	45	9.0	9.1	--	.09	.000
DEC											
14...	0900	4260	67	6.8	12.5	50	10	8.0	160	.09	.010
JAN											
17...	0800	9850	49	7.1	11.5	50	15	8.7	1100	.07	.020
FEB											
12...	1500	12500	65	6.9	7.0	50	10	8.2	K81	.07	.010
MAR											
07...	1500	3120	89	7.1	13.0	30	7.0	9.3	120	.17	.010
APR											
03...	1300	34700	40	6.2	17.0	50	62	7.7	K1400	.02	.010
MAY											
08...	1230	7360	67	7.0	21.0	47	30	8.4	K1100	.14	.010
JUN											
05...	1100	4110	76	6.8	26.0	50	2.7	7.1	380	.19	.010
JUL											
01...	1200	2540	80	6.7	30.0	70	25	6.5	K880	.24	.010
AUG											
06...	1230	1360	95	7.1	31.0	55	13	6.9	160	.21	.010
SEP											
04...	0915	882	100	6.7	31.0	20	4.5	6.9	40	.23	.010

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
11...	.20	.030	.40	.43	.63	2.8	.040	.020	3.4	26	88
NOV											
09...	.09	.010	.42	.43	.52	2.3	.010	.000	7.6	33	193
DEC											
14...	.10	.030	.38	.41	.51	2.3	.030	.030	5.4	49	564
JAN											
17...	.09	.070	.64	.71	.80	3.5	.120	.120	8.6	89	2370
FEB											
12...	.08	.020	.31	.33	.41	1.8	.050	.020	7.9	154	5200
MAR											
07...	.18	.020	.26	.28	.46	2.0	.040	.010	3.3	36	303
APR											
03...	.03	.040	.21	.25	.28	1.2	.050	.000	7.8	78	7310
MAY											
08...	.15	.030	.45	.48	.63	2.8	.060	.000	5.4	101	2010
JUN											
05...	.20	.040	.55	.59	.79	3.5	.070	.020	6.5	54	599
JUL											
01...	.25	.030	.33	.36	.61	2.7	.090	.000	3.8	40	274
AUG											
06...	.22	.010	.12	.13	.35	1.6	.080	.030	4.5	20	73
SEP											
04...	.24	.040	.20	.24	.48	2.1	.050	.020	--	26	62

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT											
11...	32	11	10	1.6	8.7	41	.7	10	1.4	25	0

DATE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT											
11...	21	16	5.7	14	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
11...	0	.0	.0	0	.0	.0	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT									
11...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	FERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP IN BOTTOM MATERIL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
11...	.0	.0	.00	0	.0	0	.0	0	.0

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,590 mi² (17,100 km²).

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the current year at site 13.8 mi (22.2 km) downstream (station 02479020).

AVERAGE DISCHARGE.--50 years, 10,000 ft³/s (283.2 m³/s), 20.61 in/yr (523 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961, gage height, 30.66 ft (9.345 m); minimum, 696 ft³/s (19.7 m³/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 116,000 ft³/s (3,290 m³/s) Apr. 3, gage height, 26.98 ft (8.224 m); minimum, 1,550 ft³/s (43.9 m³/s) Sept. 26, gage height, 3.86 ft (1.177 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7700	10800	42700	9090	31100	7410	100000	37400	25300	6450	5220	2700
2	6880	13900	38600	8550	29200	7520	108000	34400	16200	5570	4550	2860
3	6120	14700	32300	8120	23400	7590	115000	31300	11900	4920	4010	2630
4	5550	12600	24400	7880	17800	7600	110000	27800	10400	4560	3700	2370
5	5140	9600	15200	7920	14700	7490	98400	23000	9470	4280	3550	2200
6	4800	7760	11900	8260	13200	7590	85200	20200	8670	4040	3740	2080
7	4530	6620	14700	8420	13300	8070	74300	18400	8050	3890	3420	2000
8	4330	5980	13700	8360	13600	14300	65900	16500	7430	4120	3160	1930
9	4160	5440	11600	8930	13700	21500	57200	14700	7400	4740	2960	1900
10	3980	5240	9760	10500	18400	24400	48700	13300	8280	4340	2780	1810
11	3840	5610	8640	12900	24300	25000	41300	12000	7860	3980	3210	1750
12	3710	9240	7890	21000	29500	23400	40400	11000	8420	3690	3150	1710
13	3590	13500	7460	26300	33800	21200	52100	10000	8290	3510	2860	1680
14	3490	14300	12100	29200	37000	20300	63800	9280	7730	3340	2720	1640
15	3400	12300	18800	30500	39100	18800	72700	9470	7000	3190	2830	1620
16	3320	10200	22000	30600	39500	15400	89100	11000	6150	3090	2650	1630
17	3260	8990	23700	30200	36300	14100	109000	25300	5570	3040	2490	1600
18	3230	8090	23100	29800	29600	22900	114000	41900	5280	3110	2380	1670
19	3270	6800	20900	30200	20200	29100	106000	49900	5180	3300	2250	1880
20	3100	5650	16700	31500	14000	32400	93300	61100	5130	3790	2140	2000
21	3010	5110	12900	32000	11800	35200	80900	71500	5150	4310	2090	1920
22	2930	4800	10600	30500	11300	37600	70300	71200	5420	6830	2100	1880
23	3000	7070	9500	28100	11500	39500	57100	69900	5880	8340	2020	1790
24	3140	18100	9810	28600	10700	41400	45900	66900	5630	8930	1880	1670
25	3120	23700	12300	30700	9910	43600	36900	63500	4870	9210	1810	1620
26	2970	33100	14200	33200	9060	46000	33300	61600	5360	7760	1760	1560
27	2870	39400	15100	34900	8360	49200	37400	61300	6270	6670	1800	1670
28	2810	42400	14900	36000	7860	55500	39400	57800	6900	6040	2190	1650
29	2770	44100	13500	36200	7490	67600	39300	50400	7960	5490	2450	1600
30	2740	44200	11300	34400	---	80000	38300	43100	7810	5390	2630	2390
31	3720	---	9840	31900	---	92000	---	35600	---	5530	2730	---
TOTAL	120480	449300	510100	714730	579680	923670	2123200	1130750	240960	155450	87230	57410
MEAN	3886	14980	16450	23060	19990	29800	70770	36480	8032	5015	2814	1914
MAX	7700	44200	42700	36200	39500	92000	115000	71500	25300	9210	5220	2860
MIN	2740	4800	7460	7880	7490	7410	33300	9280	4870	3040	1760	1560
CFSM	.59	2.27	2.50	3.50	3.03	4.52	10.7	5.54	1.22	.76	.43	.29
IN.	.68	2.54	2.88	4.03	3.27	5.21	11.99	6.38	1.36	.88	.49	.32

CAL YR 1979 TOTAL 6509210 MEAN 17830 MAX 90300 MIN 2520 CFSM 2.71 IN 36.74
WTR YR 1980 TOTAL 7092960 MEAN 19380 MAX 115000 MIN 1560 CFSM 2.94 IN 40.04

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.26	10.07	20.85	9.35	18.30	8.32	26.01	19.81	16.54	7.91	7.26	5.18
2	7.72	11.78	20.07	9.03	17.76	8.39	26.53	19.12	12.96	7.30	6.74	5.36
3	7.20	12.19	18.60	8.76	15.94	8.43	26.92	18.37	10.98	6.81	6.28	5.10
4	6.79	11.08	16.26	8.61	13.73	8.44	26.68	17.36	10.20	6.51	5.99	4.82
5	6.48	9.42	12.50	8.64	12.30	8.37	25.90	15.82	9.75	6.27	5.85	4.63
6	6.22	8.29	10.96	8.85	11.58	8.43	25.04	14.78	9.35	6.04	6.05	4.49
7	6.01	7.55	12.34	8.95	11.65	8.72	24.28	14.01	9.02	5.88	5.75	4.40
8	5.85	7.10	11.84	8.91	11.79	12.07	23.61	13.14	8.68	6.08	5.50	4.33
9	5.71	6.71	10.75	9.25	11.85	15.30	22.82	12.32	8.71	6.60	5.31	4.29
10	5.56	6.56	9.74	10.14	13.98	16.30	21.78	11.65	9.31	6.26	5.14	4.19
11	5.44	6.83	9.08	11.43	16.27	16.50	20.59	10.98	9.04	5.94	5.59	4.11
12	5.33	9.19	8.62	15.06	17.86	15.95	20.41	10.42	9.38	5.67	5.54	4.06
13	5.23	11.55	8.35	16.91	18.96	15.18	22.20	9.88	9.29	5.49	5.27	4.02
14	5.14	11.96	10.99	17.78	19.70	14.84	23.43	9.46	8.92	5.34	5.12	3.98
15	5.06	10.96	14.16	18.14	20.16	14.18	24.15	9.57	8.45	5.21	5.26	3.95
16	4.99	9.77	15.48	18.17	20.24	12.64	25.30	10.42	7.88	5.12	5.08	3.96
17	4.93	9.07	16.05	18.07	19.56	12.05	26.54	16.24	7.48	5.08	4.91	3.93
18	4.91	8.50	15.87	17.94	17.88	15.72	26.86	20.68	7.26	5.17	4.80	4.01
19	4.94	7.67	15.06	18.07	14.73	17.73	26.38	21.95	7.18	5.37	4.67	4.27
20	4.79	6.86	13.21	18.42	11.99	18.65	25.57	23.18	7.12	5.87	4.56	4.40
21	4.70	6.46	11.43	18.54	10.89	19.30	24.76	24.06	7.13	6.38	4.50	4.32
22	4.63	6.22	10.21	18.13	10.61	19.85	23.97	24.04	7.31	8.19	4.52	4.27
23	4.69	7.72	9.59	17.46	10.70	20.24	22.80	23.94	7.62	9.17	4.43	4.16
24	4.82	13.77	9.77	17.60	10.27	20.61	21.39	23.69	7.44	9.53	4.27	4.01
25	4.81	16.02	11.12	18.18	9.83	21.01	19.67	23.40	6.87	9.69	4.19	3.95
26	4.67	18.82	12.11	18.84	9.33	21.42	18.86	23.24	7.22	8.85	4.13	3.88
27	4.57	20.19	12.48	19.25	8.91	21.88	19.80	23.21	7.83	8.18	4.18	4.01
28	4.51	20.79	12.41	19.49	8.60	22.63	20.21	22.87	8.24	7.77	4.61	3.99
29	4.47	21.08	11.76	19.54	8.37	23.75	20.20	22.01	8.89	7.39	4.91	3.92
30	4.45	21.11	10.63	19.14	---	24.68	20.01	20.90	8.79	7.35	5.10	4.81
31	5.28	---	9.79	18.52	---	25.50	---	19.36	---	7.46	5.22	---
MEAN	5.42	11.18	12.65	15.01	13.92	16.03	23.42	17.74	8.83	6.77	5.18	4.29
MAX	8.26	21.11	20.85	19.54	20.24	25.50	26.92	24.06	16.54	9.69	7.26	5.36
MIN	4.45	6.22	8.35	8.61	8.37	8.32	18.86	9.46	6.87	5.08	4.13	3.88

CAL YR 1979 MEAN 11.72 MAX 25.37 MIN 4.45
WTR YR 1980 MEAN 11.69 MAX 26.92 MIN 3.88

02479020 PASCAGOULA RIVER NR BENNDALE, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30°52'42", long 88°46'20", on line between secs.15 and 22, T.2 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, on downstream side of bridge on State Highway 26, 2.1 mi (3.4 km) east of Benndale, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--6,680 mi² (17,301 km²), revised.

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1958 to September 1960, January 1976 to current year.
WATER TEMPERATURE: August to September 1958, March 1959 to September 1960, January 1976 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since January 1976.

REMARKS.--Prior to Sept. 3, 1980, specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stream discharge determined 13.8 mi (22.1 km) upstream (station 02479000). In water years 1958-59, 1962-63, and 1966-75, equivalent data was collected 13.8 mi (22.1 km) upstream (station 02479000).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 581 micromhos Aug. 3, 1960; minimum daily, 30 micromhos June 1, 1959.
WATER TEMPERATURE: Maximum daily, 33.0°C July 1, 15, 21, 1960; minimum daily 3.5°C Nov. 30, Dec. 1, 1959.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 600 micromhos June 24, 1970; minimum, 40 micromhos Jan. 19, 1975.
WATER TEMPERATURE: Maximum, 32.5°C Jul. 2-8, 24, 25, 1977; minimum, 4.0°C Jan. 15, 16, 22, 23, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
06...	1715	5280	79	7.1	20.0	8.0	8.2	--	--	21	9	6.1
NOV												
09...	0945	5980	57	6.3	17.0	6.0	8.1	470	240	14	8	4.3
DEC												
13...	1530	8210	61	6.0	14.0	20	7.6	780	660	15	8	4.6
JAN												
16...	1400	33700	55	6.2	13.0	18	8.1	520	870	13	6	3.9
FEB												
07...	1600	14600	68	6.8	10.0	5.0	7.0	120	K110	12	3	2.9
MAR												
07...	1300	8880	65	6.9	14.0	7.0	9.1	160	K66	17	4	5.0
APR												
02...	1600	119000	30	5.9	16.0	5.0	7.3	250	630	6	1	1.7
MAY												
07...	1530	20200	69	6.6	21.0	28	6.9	350	K46	15	8	4.5
JUN												
05...	1300	10400	63	6.8	27.0	16	6.9	K74	K58	19	2	5.7
JUL												
01...	1430	7100	77	6.7	30.5	16	6.6	160	K58	18	6	5.2
AUG												
06...	1630	4110	70	6.9	30.5	13	7.0	K39	K55	13	0	3.5
SEP												
04...	1100	2610	74	6.7	28.0	3.5	8.0	120	K71	11	0	2.7

02479020 PASCAGOULA RIVER NR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT												
06...	1.3	8.0	43	.8	1.8	12	4.4	10	.1	13	73	54
NOV												
09...	.9	5.7	43	.7	1.7	6	5.3	9.0	.0	10	58	41
DEC												
13...	.9	5.7	49	.6	1.3	7	5.3	8.9	.0	11	48	43
JAN												
16...	.8	4.1	38	.5	1.4	7	5.0	6.0	.0	7.4	58	34
FEB												
07...	1.2	8.9	59	1.1	1.1	9	1.8	15	.0	14	61	51
MAR												
07...	1.0	5.9	42	.6	.9	13	6.3	10	.1	9.5	58	48
APR												
02...	.5	1.9	35	.3	1.2	5	3.1	2.9	.0	3.7	30	19
MAY												
07...	1.0	4.7	38	.5	1.1	7	5.1	6.9	.1	7.9	46	36
JUN												
05...	1.1	5.1	36	.5	1.0	17	4.4	7.6	.1	10	46	46
JUL												
01...	1.1	7.0	44	.7	1.2	12	3.5	13	.1	9.5	50	50
AUG												
06...	1.1	7.3	51	.9	1.5	14	4.0	11	.1	10	58	49
SEP												
04...	1.1	7.3	55	.9	1.3	13	4.2	10	.1	11	62	47

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT												
06...	.10	1040	.48	.30	--	.170	--	.22	--	.93	1.2	.10
NOV												
09...	.08	936	.17	.16	.060	.010	.07	.01	.38	.42	.44	.01
DEC												
13...	.07	1060	.17	.18	.100	.060	.12	.08	.50	.43	.60	.11
JAN												
16...	.08	5280	.11	.14	.070	.010	.08	.01	.70	.80	.77	.00
FEB												
07...	.08	2410	.09	.09	.070	.070	.08	.09	.15	.00	.22	.16
MAR												
07...	.08	1390	.22	.23	.080	.050	.10	.06	.20	.23	.30	.00
APR												
02...	.04	9640	.29	.22	.040	.030	.05	.04	.31	.00	.35	.34
MAY												
07...	.06	2510	.17	.20	.030	.060	.04	.08	.49	.36	.52	.10
JUN												
05...	.06	1290	.17	.26	.050	.030	.06	.04	.51	.53	.56	.00
JUL												
01...	.07	958	.38	.27	.060	.020	.08	.02	.53	.28	.59	.29
AUG												
06...	.08	644	.36	.36	.080	.080	.10	.10	.37	.37	.45	.00
SEP												
04...	.08	437	.34	.36	.050	.060	.06	.08	.20	.08	.25	.11

02479020 PASCAGOULA RIVER NR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
06...	1.1	1.7	7.4	.050	.15	.030	0	--	--	--	--	--
NOV												
09...	.43	.61	2.7	.030	.09	.020	--	6.3	--	81	1310	74
DEC												
13...	.49	.77	3.4	.060	.18	.030	0	5.9	--	74	1640	83
JAN												
16...	.81	.88	3.9	.060	.18	.030	0	--	--	154	14000	79
FEB												
07...	.06	.31	1.4	.020	.06	.000	--	1.6	--	97	3820	84
MAR												
07...	.28	.52	2.2	.040	.12	.020	0	3.0	2100	24	575	90
APR												
02...	.01	.64	2.8	.070	.21	.010	0	--	--	85	27300	87
MAY												
07...	.42	.69	3.1	.070	.21	.020	--	8.5	2100	68	3710	93
JUN												
05...	.56	.73	3.2	.040	.12	.020	0	4.5	30000	55	1540	93
JUL												
01...	.30	.97	4.3	.050	.15	.040	0	--	5500	42	805	87
AUG												
06...	.45	.81	3.6	.100	.31	.060	--	4.8	1900	29	322	99
SEP												
04...	.14	.59	2.6	.080	.25	.040	0	4.7	120	31	218	100

02479020 PASCAGOULA RIVER NR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
06...	1	0	1	0	--	--	7	0	7	10	0
JAN											
16...	1	1	0	100	60	40	2	0	2	20	0
APR											
02...	1	0	1	<50	<10	40	0	0	2	20	10
JUL											
01...	1	0	1	<50	<0	50	0	0	0	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
06...	<10	2	2	0	10	0	10	1800	1800	620	--
JAN											
16...	20	0	0	0	4	1	3	2600	2300	260	2
APR											
02...	10	0	0	1	2	0	4	1500	1300	230	4
JUL											
01...	10	0	0	0	2	0	2	1200	940	260	0

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
06...	--	--	170	120	50	<.1	<.0	<.1	4	1	3
JAN											
16...	2	0	100	70	30	.2	.0	.2	9	5	4
APR											
02...	1	3	60	0	60	.1	.0	.1	7	7	0
JUL											
01...	0	0	60	40	20	.2	.0	.2	2	2	0

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
06...	0	0	0	0	0	200	160	40	--	--
JAN										
16...	0	0	0	0	0	30	10	20	7.1	2.9
APR										
02...	0	0	0	0	0	30	20	10	6.0	2.6
JUL										
01...	0	0	0	0	0	10	4	6	6.9	--

02479020 PASCAGOULA RIVER NR BENNDALE, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAR 7,80		MAY 7,80		JUN 5,80		JUL 1,80		AUG 6,80		SEP 4,80	
TIME	1300		1530		1300		1430		1630		1100	
TOTAL CELLS/ML	2100		2100		30000		5500		1900		120	
DIVERSITY: DIVISION	1.0		1.1		1.1		1.0		1.3		0.9	
.CLASS	1.1		1.1		1.1		1.0		1.3		0.9	
..ORDER	1.2		1.2		1.9		1.8		1.7		1.7	
...FAMILY	2.3		1.8		2.4		2.1		2.2		2.1	
....GENUS	2.9		2.1		2.7		2.3		2.9		2.3	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	26	1	--	-
...CHLOROCOCCACEAE												
....CHLOROCOCCUM	--	-	13	1	--	-	--	-	--	-	--	-
...COELASTRACEAE												
....COELASTRUM	57	3	--	-	1200	4	--	-	--	-	--	-
...MICRACTINIACEAE												
....GOLENKINIA	14	1	26	1	--	-	*	0	--	-	--	-
....MICRACTINIUM	160	8	370#	18	1600	5	230	4	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	170	8	13	1	380	1	120	2	190	10	13	11
....CHODATELLA	86	4	--	-	*	0	--	-	--	-	--	-
....DICTYOSPHAERIUM	57	3	52	3	1500	5	240	4	390#	20	--	-
....KIRCHNERIELLA	--	-	52	3	210	1	--	-	--	-	--	-
....POLYEDRIOPSIS	--	-	--	-	*	0	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-	--	-	130	7	--	-
....TETRAEDRON	--	-	--	-	*	0	--	-	13	1	--	-
....TREUBARIA	29	1	--	-	*	0	--	-	13	1	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	860#	42	52	3	340	1	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	170	1	--	-	100	5	--	-
....SCENEDESMUS	130	6	230	11	2200	7	670	12	130	7	52#	44
....TETRASTRUM	--	-	--	-	--	-	51	1	--	-	--	-
..TETRASPORALES												
...COCCOMYXACEAE												
....ELAKATOTHRIX	--	-	--	-	*	0	--	-	--	-	--	-
...PALMELLACEAE												
....SPHAEROCYSTIS	--	-	--	-	--	-	51	1	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	-	--	-	300	1	*	0	140	7	13	11
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	14	1	26	1	300	1	51	1	13	1	13	11
....MELOSIRA	57	3	26	1	590	2	*	0	--	-	13	11
..PENNALES												
...NITZSCHIACEAE												
....NITZSCHIA	100	5	--	-	*	0	39	1	140	7	13	11
.CHRYSOPHYCEAE												
..CHRYSOMONADALES												
...CHROMULINACEAE												
....CHRYSOCOCCUS	43	2	--	-	*	0	--	-	--	-	--	-
.XANTHOPHYCEAE												
..HETEROCOCCALES												
...CHLOROTHECIACEAE												
....OPHIOCYTIUM	--	-	--	-	--	-	*	0	13	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	670	2	--	-	--	-	--	-
....ANACYSTIS	290	14	26	1	9300#	31	2300#	42	650#	33	--	-
..HORMOGONALES												
...OSCILLATORIACEAE												
....OSCILLATORIA	--	-	1200#	57	11000#	36	1700#	30	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	*	0	--	-	--	-	--	-
....LEPOCINCLIS	--	-	--	-	*	0	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02479020 PASCAGOULA RIVER NR BENNDALE, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1										---	---	---
2										---	---	---
3										---	---	---
4										75	73	74
5										75	72	73
6										75	72	73
7										75	74	75
8										77	74	75
9										76	75	75
10										78	76	77
11										81	78	79
12										82	81	81
13										83	81	82
14										82	81	81
15										82	81	81
16										83	82	83
17										83	81	82
18										82	80	81
19										80	78	79
20										82	80	80
21										82	81	81
22										83	80	81
23										82	79	80
24										88	82	84
25										97	88	95
26										91	82	86
27										104	78	84
28										84	79	82
29										82	80	81
30										81	60	73
31										---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1										---	---	---
2										---	---	---
3										---	---	---
4										28.5	27.5	28.0
5										29.0	28.0	28.5
6										29.0	28.0	28.5
7										29.5	29.0	29.0
8										30.0	29.0	29.5
9										30.0	29.0	29.5
10										30.5	29.0	30.0
11										30.5	29.5	30.0
12										30.0	28.5	29.0
13										30.0	29.0	29.5
14										30.0	29.0	29.5
15										30.5	29.0	30.0
16										30.0	28.5	29.5
17										28.5	26.5	27.5
18										27.5	26.5	27.0
19										27.5	26.5	27.0
20										28.0	27.0	27.5
21										28.5	27.5	28.0
22										29.0	28.0	28.5
23										29.5	28.5	29.0
24										29.5	28.5	29.0
25										29.5	28.0	28.5
26										28.5	27.0	28.0
27										28.0	26.5	27.0
28										28.0	27.0	27.5
29										28.0	27.0	27.5
30										27.0	24.5	25.5
31										---	---	---

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, near right bank at downstream side of downstream bridge of dual bridges on U.S. Highway 49, 1.1 mi (1.8 km) southwest of Brooklyn, and 4.5 mi (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--355 mi² (919 km²), revised.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1942-45, 1954-57, 1959, 1961, 1964-66 (revised). October 1970 to current year.

REVISED RECORDS.--WRD Miss. 1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 758 ft³/s (21.47 m³/s), 29.00 in/yr (737 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974, gage height, 25.32 ft (7.718 m) from floodmark; minimum, 75 ft³/s (2.12 m³/s), Nov. 6, 1978, gage height, 3.82 ft (1.164 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,500 ft³/s (99.1 ft³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 25	Unknown	3510	99.4	Unknown		Apr. 14	0330	12400	351	22.27	6.788
Jan. 12	1030	3790	107	13.25	4.039	Apr. 26	1430	5970	169	17.11	5.215
Mar. 30	1300	13300	377	22.69	6.916	May 20	1130	*14600	413	23.25	7.087
Apr. 8	2000	5260	149	15.93	4.855						

Minimum discharge, 115 ft³/s (3.26 m³/s) Sept. 17, gage height, 4.09 ft (1.247 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	782	560	467	1050	650	5480	840	492	269	299	492
2	300	612	510	434	919	725	3460	708	452	217	252	287
3	294	450	460	409	813	575	3530	840	422	195	227	264
4	290	337	420	415	738	484	2430	812	402	183	242	256
5	288	265	630	447	634	522	1860	669	382	175	244	208
6	286	227	1300	439	745	560	1550	537	361	169	216	195
7	265	218	1700	415	718	768	1560	449	343	164	200	203
8	251	222	1100	453	637	2360	3390	575	333	258	188	196
9	229	267	600	1180	1410	1320	3010	684	351	311	167	173
10	212	423	460	1160	2070	1340	1610	499	374	289	157	154
11	218	557	410	2600	1760	1080	1480	407	379	248	167	148
12	212	459	388	3510	1530	809	4040	361	359	205	172	133
13	208	357	809	1790	1300	686	8000	340	306	169	183	126
14	205	314	2430	1360	1010	551	11300	333	271	158	188	122
15	205	288	1680	1160	796	464	7210	388	254	161	250	121
16	203	272	1380	970	692	417	4220	1950	242	149	198	118
17	193	260	1110	1110	634	1340	2200	5620	248	147	189	118
18	189	251	872	1700	575	2280	1560	5900	232	178	169	151
19	189	247	679	1400	533	1540	1380	6060	232	216	155	186
20	189	240	579	1270	513	1340	1220	12700	236	461	147	183
21	189	238	536	1090	498	1810	1060	7970	238	1080	140	167
22	185	236	554	962	566	1400	896	4110	238	1310	132	151
23	183	1580	728	1450	612	1110	744	2610	232	988	124	148
24	185	1500	908	1340	528	1370	634	1960	258	940	121	142
25	240	2200	865	1170	467	1460	579	1550	333	752	117	145
26	231	3400	722	1080	412	1870	4940	1330	343	572	131	142
27	197	2600	644	1030	380	2500	4740	1130	343	623	136	158
28	191	1650	582	901	367	4410	2750	960	419	2140	128	138
29	195	1000	513	809	359	5830	1690	780	437	1080	269	175
30	201	650	504	738	---	12200	1160	615	359	586	419	600
31	470	---	495	977	---	8990	---	544	---	396	467	---
TOTAL	7212	22102	25128	34236	23266	62761	89683	64231	9871	14789	6194	5800
MEAN	233	737	811	1104	802	2025	2989	2072	329	477	200	193
MAX	470	3400	2430	3510	2070	12200	11300	12700	492	2140	467	600
MIN	183	218	388	409	359	417	579	333	232	147	117	118
CFSM	.66	2.08	2.29	3.11	2.26	5.70	8.42	5.84	.93	1.34	.56	.54
IN.	.76	2.32	2.63	3.59	2.44	6.58	9.40	6.73	1.03	1.55	.65	.61

CAL YR 1979 TOTAL 354243 MEAN 971 MAX 15300 MIN 84 CFSM 2.74 IN 37.12
WTR YR 1980 TOTAL 365273 MEAN 998 MAX 12700 MIN 117 CFSM 2.81 IN 38.28

02479155 CYPRESS CREEK NEAR JANICE, MS
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi (1.9 km) east of Janice, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.6 mi² (136 km²), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 103 ft³/s (2.92 m³/s), 26.59 in/yr (675 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s (354 m³/s) Apr. 4, 1979, gage height, 28.67 ft (8.739 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft (9.772 m), discharge, 22,800 ft³/s (646 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	2400	1490	42.2	14.98	4.566	Apr. 12	2130	2880	81.6	20.13	6.136
Nov. 25	2300	2520	71.4	19.24	5.864	Apr. 13	2130	3570	101	21.47	6.544
Mar. 18	0700	1330	37.7	14.19	4.325	Apr. 26	1430	2880	81.6	20.14	6.139
Mar. 28	2000	2170	61.5	18.08	5.511	May 17	1530	2590	73.3	19.42	5.919
Mar. 30	0700	*3900	110	22.03	6.715	May 20	0900	3880	110	22.00	6.706

Minimum discharge, 14 ft³/s (0.40 m³/s) Sept. 11-12, gage height, 5.87 ft (1.789 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	425	115	74	150	89	275	134	72	30	26	27
2	34	150	106	66	97	87	463	129	67	28	29	20
3	30	76	97	63	83	59	739	484	62	27	29	19
4	29	52	90	66	76	52	333	257	59	26	52	20
5	29	42	87	64	75	62	212	136	56	25	47	19
6	27	38	363	60	120	61	170	109	52	25	26	20
7	26	35	363	59	98	222	259	96	49	26	22	19
8	24	34	158	59	75	571	611	97	58	54	20	16
9	24	35	115	183	199	237	600	105	191	38	18	15
10	24	70	99	174	278	127	238	94	115	28	18	15
11	24	128	91	530	142	96	248	78	62	24	20	14
12	24	127	88	565	104	87	1830	70	49	23	20	16
13	23	76	192	197	89	102	2950	66	43	21	20	31
14	23	52	532	143	81	73	1550	80	41	21	21	18
15	22	42	280	118	76	56	406	117	39	21	19	15
16	23	38	188	107	76	51	276	488	37	23	18	15
17	23	36	169	228	74	427	222	2200	35	22	17	17
18	23	34	126	364	65	977	197	833	35	23	16	36
19	23	33	110	188	61	284	189	497	35	30	15	26
20	23	32	101	127	61	181	171	2930	36	70	15	21
21	24	31	95	107	59	213	152	579	35	124	15	19
22	25	31	97	147	144	166	137	350	33	121	16	17
23	69	918	118	334	152	112	125	246	32	195	16	16
24	59	868	169	183	85	200	114	182	39	172	15	18
25	36	1660	173	125	67	218	110	148	53	61	17	18
26	30	1250	110	130	52	339	2210	126	45	37	17	25
27	27	307	88	126	47	495	595	109	41	35	16	21
28	26	195	80	105	46	1570	234	100	39	76	19	17
29	26	151	76	91	46	1490	176	100	37	77	20	16
30	26	127	83	83	---	2670	147	85	33	39	22	59
31	302	---	81	155	---	491	---	78	---	28	28	---
TOTAL	1166	7093	4640	5021	2778	11865	15939	11103	1580	1550	669	625
MEAN	37.6	236	150	162	95.8	383	531	358	52.7	50.0	21.6	20.8
MAX	302	1660	532	565	278	2670	2950	2930	191	195	52	59
MIN	22	31	76	59	46	51	110	66	32	21	15	14
CFSM	.72	4.49	2.85	3.08	1.82	7.28	10.1	6.81	1.00	.95	.41	.40
IN.	.82	5.62	3.28	3.55	1.96	8.39	11.27	7.85	1.12	1.10	.47	.44

CAL YR 1979 TOTAL 70597 MEAN 193 MAX 7750 MIN 14 CFSM 3.67 IN 49.93
WTR YR 1980 TOTAL 64029 MEAN 175 MAX 2950 MIN 14 CFSM 3.33 IN 45.28

02479155 CYPRESS CREEK NR JANICE, MS--Continued
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
06...	1445	27	28	6.9	17.0	--	--	--	--	4	0	.8
DEC												
14...	1100	570	24	4.7	13.0	9.0	K35	K12	<5	3	1	.7
FEB												
12...	1730	99	21	5.6	8.0	10.8	K54	K49	K23	3	0	.6
APR												
02...	1800	732	20	4.8	15.0	8.6	150	200	K65	2	0	.6
JUN												
05...	1400	57	18	5.7	25.0	8.0	K64	K32	K6	3	0	.6
AUG												
06...	1500	27	22	5.6	28.0	7.7	K68	K58	K45	3	0	.7

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT											
06...	.4	3.3	63	.8	.5	3	2.3	3.4	.0	13	38
DEC											
14...	.4	1.4	56	.3	.5	2	3.4	2.7	.0	6.3	32
FEB											
12...	.3	2.0	70	.5	.3	6	2.1	3.0	.1	8.6	30
APR											
02...	.2	1.2	48	.4	.4	4	2.6	1.8	.0	4.9	--
JUN											
05...	.3	1.8	47	.5	1.3	4	1.8	4.1	.0	8.4	21
AUG											
06...	.4	2.2	54	.5	.5	3	1.5	3.1	.0	10	36

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
06...	25	.05	2.77	.04	.07	.010	.03	.020	.06	11	.80
DEC											
14...	17	.04	49.2	.05	.04	.010	.03	.000	.00	124	191
FEB											
12...	21	.04	8.02	.03	.03	.010	.03	.000	.00	17	4.5
APR											
02...	14	.02	27.7	.04	.08	.020	.06	.000	.00	68	134
JUN											
05...	21	.03	3.23	.06	.09	.010	.03	.000	.00	10	1.5
AUG											
06...	20	.05	2.62	.04	.05	.010	.03	.000	.00	35	2.6

02479155 CYPRESS CREEK NR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT											
06...	1	0	1	0	--	--	<1	--	--	<1	10
APR											
02...	1	0	1	<50	<20	30	1	0	0	1	20

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT											
06...	7	3	<3	1	0	1	700	420	280	100	0
APR											
02...	12	8	0	1	1	0	620	340	280	6	0

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)
OCT											
06...	100	<4	50	10	40	<.1	<.0	<.1	<10	0	0
APR											
02...	6	1	50	0	52	.1	.0	.1	0	0	0

DATE	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
OCT										
06...	0	0	0	0	8	<6.0	20	0	20	.00
APR										
02...	0	0	0	0	7	.0	10	0	10	.00

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
OCT										
06...	.6	.4	<.4	<.3	.9	<.4	.9	<.4	.10	<.01

02479155 CYPRESS CREEK NR JANICE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
06...	.00	7	.0	.0	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
06...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)
OCT										
06...	.00	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)
OCT										
06...	.00	.00	.00	.0	.00	.00	.00	0	0	.00

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi (2.7 km) downstream from Flat Branch, 8.6 mi (13.8 km) upstream from Sweetwater Creek, and 13.4 mi (21.6 km) east of Wiggins.

DRAINAGE AREA.--701 mi² (1,816 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.94 ft (14.917 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Nov. 12 to Dec. 13 and July 8 to Aug 19 which are fair.

AVERAGE DISCHARGE.--9 years, 1,609 ft³/s (45.57 m³/s), 31.17 in/yr (792 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,500 ft³/s (892 m³/s) Apr. 5, 1979, gage height, 26.63 ft (8.117 m); minimum, 153 ft³/s (4.33 m³/s) Nov. 3, 4-6, 7, 1978, minimum gage height, 3.80 ft (1.158 m) Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft (7.873 m) from floodmarks; discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft³/s (198 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 27	Unknown	8170	231	a20.36	6.206	Apr. 15	0100	*19300	547	24.39	7.434
Mar. 19	0830	7120	202	19.14	5.834	Apr. 28	0800	10000	283	21.66	6.602
Mar. 31	1630	17700	501	24.02	7.321	May 21	2400	17700	501	24.02	7.321
Apr. 10	1100	7720	219	19.92	6.072						

Minimum discharge, 267 ft³/s (7.56 m³/s) Sept. 16, 17, gage height, 4.87 ft (1.484 m).

a From floodmark

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	874	2610	1900	1080	2020	991	16300	2730	1390	670	860	711
2	810	2360	1550	1010	1770	1460	13500	2250	1280	590	620	675
3	751	1520	1350	960	1520	1260	11300	3350	1200	529	480	511
4	699	1020	1250	939	1370	1030	9400	3840	1120	491	410	517
5	665	795	1200	935	1260	981	6900	2460	1060	471	390	543
6	637	681	2000	938	1350	1070	4430	1940	999	458	365	443
7	609	607	3800	919	1490	1460	3540	1680	941	446	345	434
8	582	571	4500	897	1290	5250	4000	1560	897	560	335	424
9	561	578	3600	1170	1460	5550	6370	1720	1340	630	325	390
10	543	797	2100	2330	3210	3330	7430	1720	1440	660	320	351
11	530	1140	1600	2910	3420	2460	5070	1440	1060	590	325	322
12	520	1600	1350	5430	2600	1890	6080	1290	930	540	335	313
13	511	1250	1150	6090	2190	1630	12300	1210	851	470	345	381
14	501	1000	3760	4040	1860	1380	17600	1170	775	430	355	324
15	487	850	5130	2420	1530	1130	18600	1270	726	410	385	287
16	473	760	3750	1980	1330	1000	15200	2570	696	430	430	275
17	466	700	2740	1950	1240	1810	11500	7650	666	410	400	267
18	463	650	2130	3710	1140	6070	7330	11500	662	390	390	305
19	459	630	1730	3670	1050	6860	4440	12300	657	380	380	346
20	455	600	1460	2590	1010	4480	3540	14600	648	480	361	376
21	448	580	1320	2120	985	3270	3040	17000	638	1600	347	362
22	442	560	1250	1840	1250	3410	2650	16800	634	2200	335	336
23	465	1600	1430	2540	1990	2550	2320	12600	628	2500	311	310
24	657	4000	1810	2920	1460	2310	2060	7850	638	2000	294	299
25	612	5600	2200	2290	1130	3280	1890	4670	710	1600	286	330
26	523	7000	1790	2010	968	3460	4520	3210	785	1200	285	345
27	477	7900	1460	1950	861	5140	8720	2630	773	1100	288	319
28	457	7400	1300	1760	819	7450	9730	2240	735	2400	300	307
29	445	5800	1190	1540	798	10400	7410	1960	773	3200	302	303
30	443	2800	1140	1400	---	14100	4230	1710	757	1800	421	357
31	1120	---	1130	1490	---	17100	---	1510	---	1700	613	---
TOTAL	17685	63959	64070	67828	44371	123562	231400	150430	26409	31335	11938	11463
MEAN	570	2132	2067	2188	1530	3986	7713	4853	880	1011	385	382
MAX	1120	7900	5130	6090	3420	17100	18600	17000	1440	3200	860	711
MIN	442	560	1130	897	798	981	1890	1170	628	380	285	267
CFSM	.81	3.04	2.95	3.12	2.18	5.69	11.0	6.92	1.26	1.44	.55	.55
IN.	.94	3.39	3.40	3.60	2.35	6.56	12.28	7.98	1.40	1.66	.63	.61

CAL YR 1979 TOTAL 810219 MEAN 2220 MAX 29100 MIN 252 CFSM 3.17 IN 43.00
WTR YR 1980 TOTAL 844450 MEAN 2307 MAX 18600 MIN 267 CFSM 3.29 IN 44.81

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R. 8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi (0.8 km) north of Vestry, and 1.1 mi (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--441 mi² (1,142 km²).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 885 ft³/s (25.06 m³/s), 27.25 in/yr (692 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.80 ft (5.730 m) Apr. 14, 1980; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963, gage height, 3.22 ft (0.981 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 27	1900	6870	195	15.47	4.715	Apr. 14	1930	*15600	442	18.80	5.730
Mar. 10	2100	4260	121	14.24	4.340	Apr. 29	0830	4520	128	14.37	4.380
Mar. 20	0800	6680	189	15.39	4.691	May 21	1630	12200	346	17.60	5.364
Mar. 30	1200	10600	300	16.98	5.176						

Minimum discharge, 189 ft³/s (5.35m³/s) Sept. 17, 25, 26, gage height 4.72 ft (1.439 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	673	1730	1290	720	887	705	8550	1820	785	550	470	215
2	620	1920	1020	682	889	1120	7050	1370	734	500	493	212
3	577	1410	893	647	819	996	6100	1910	692	450	413	287
4	515	848	817	673	750	791	5870	1680	656	400	367	328
5	478	602	767	688	707	746	5540	1210	627	357	357	312
6	455	495	1250	636	837	765	4170	974	598	347	324	288
7	433	441	2420	609	972	701	2800	862	573	340	302	262
8	410	410	2970	623	874	1330	2090	848	550	369	278	242
9	390	394	2040	656	860	2760	2100	821	533	480	271	227
10	370	559	1330	775	1320	3960	2450	803	542	478	272	213
11	360	1060	1020	1210	1320	4110	2880	751	532	403	290	204
12	350	1290	893	2180	1110	3340	4070	705	505	359	331	196
13	340	1120	980	2730	946	1940	7950	666	480	334	291	195
14	340	801	2390	2100	789	1350	14500	640	460	318	325	202
15	330	614	3240	1590	713	1010	14300	647	443	306	394	203
16	320	520	3260	1230	681	835	10500	1010	430	302	367	192
17	310	467	2260	1430	719	1350	6750	5480	419	303	405	191
18	300	436	1600	1940	713	4090	4300	8500	410	296	360	199
19	290	414	1220	2730	658	5590	2900	9520	403	292	316	232
20	290	396	1010	2470	621	6320	2420	9720	414	419	287	242
21	280	384	914	1630	600	4660	2080	11600	428	1040	268	232
22	280	376	866	1260	614	3100	1710	10400	420	1210	272	219
23	300	1100	929	1350	989	1980	1420	7690	483	1480	258	207
24	400	3020	1280	1580	1150	1500	1220	5230	578	1460	238	197
25	380	4320	1550	1450	918	1500	1100	3260	575	897	224	190
26	330	5310	1400	1200	713	1760	1580	1840	614	598	216	200
27	300	6460	1120	1150	605	2630	2580	1350	618	486	210	227
28	290	6150	916	1040	552	4110	3740	1140	580	578	211	215
29	280	4190	815	933	520	6820	4440	1000	620	690	239	200
30	305	2030	765	852	---	10200	3590	910	600	641	221	203
31	564	---	753	835	---	9720	---	841	---	591	215	---
TOTAL	11860	49267	43978	39599	23846	91789	140750	95198	16302	17274	9485	6732
MEAN	383	1642	1419	1277	822	2961	4692	3071	543	557	306	224
MAX	673	6460	3260	2730	1320	10200	14500	11600	785	1480	493	328
MIN	280	376	753	609	520	701	1100	640	403	292	210	190
CFSM	.87	3.72	3.22	2.90	1.86	6.71	10.6	6.96	1.23	1.26	.69	.51
IN.	1.00	4.16	3.71	3.34	2.01	7.74	11.87	8.03	1.38	1.46	.80	.57

CAL YR 1979 TOTAL 463013 MEAN 1269 MAX 7440 MIN 185 CFSM 2.88 IN 39.06
WTR YR 1980 TOTAL 546080 MEAN 1492 MAX 14500 MIN 190 CFSM 3.38 IN 46.06

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec.2, T.3 S., R.5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 6.7 mi (10.8 km) west of Wilmer, AL, 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 3.7 mi (6.0 km) east of Agricola, MS and 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, AL.

DRAINAGE AREA.--556 mi² (1,440 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m).

REMARKS.--Water-discharge record good.

AVERAGE DISCHARGE.--7 years (water years 1974-80), 1414 ft³/s (40.40 m³/s), 34.56 in/yr (878 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s (521 m³/s) Mar. 5, 1979, gage height, 19.67 ft (5.517 m); minimum daily, 137 ft³/s (3.96 m³/s) Nov. 5, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft (21.95 m) ±1.0 ft (0.30 m), National Geodetic Vertical datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 3	0200	7200	204	16.11	4.910	Apr. 14	2000	*13900	394	*18.56	5.657
Mar. 8	2200	5380	152	14.93	4.551	Apr. 21	0400	13700	388	18.52	5.645
Mar. 19	0300	5350	152	14.91	4.545	Apr. 28	1300	6230	176	15.53	4.734
Mar. 31	1800	12500	354	18.16	5.535						

Minimum daily, 196 ft³/s (5.55 m³/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	769	5010	1980	927	1710	540	11700	2730	1660	726	391	369
2	696	7130	1550	856	1620	1700	9950	2200	1490	620	366	344
3	616	6940	1280	781	1390	1500	9720	2920	1280	528	346	348
4	556	5690	1100	878	1280	900	8540	2770	1110	475	382	342
5	518	4750	967	933	1230	800	6630	1980	996	448	351	330
6	480	3720	1210	853	1360	860	4530	1580	918	426	326	310
7	451	2680	1930	833	1340	824	3440	1360	855	411	305	288
8	426	1700	1890	887	1300	4240	3400	1380	808	648	288	265
9	407	1360	1620	913	1390	4920	5140	1380	864	676	278	245
10	392	1610	1420	978	2000	3310	4470	1450	945	596	270	229
11	377	2090	1350	2160	1900	2510	3440	1420	880	497	301	217
12	366	2640	1230	3560	1350	2410	5680	1260	768	422	296	211
13	356	2190	1540	3050	1050	2690	9620	1080	687	384	308	208
14	344	1660	3730	2370	910	1970	13300	1010	640	360	386	203
15	332	1350	3460	2110	810	1600	12900	1070	616	342	468	199
16	325	1150	2650	1970	780	1340	11100	1560	589	328	530	196
17	321	1020	2030	2200	1100	1690	8780	5880	565	323	607	279
18	316	927	1760	2950	920	4570	6560	11100	552	346	501	314
19	311	845	1680	2880	810	5180	4460	12500	651	332	393	395
20	308	774	1660	2260	760	4120	3190	12700	999	473	366	574
21	304	713	1480	1790	700	3820	2530	13400	738	966	453	446
22	301	660	1270	1520	680	3660	2130	11500	613	915	373	357
23	335	721	1140	1760	1150	3100	1870	9800	712	838	323	290
24	373	1260	1250	1830	900	2670	1670	7910	1100	715	288	254
25	342	2060	1510	1700	660	2660	1510	5480	912	545	269	256
26	321	3720	1520	1560	560	2700	2080	4410	889	448	272	310
27	301	3930	1350	1570	520	3640	4550	3580	927	426	335	308
28	289	3480	1170	1520	500	4960	6070	2690	802	900	710	265
29	281	3160	1050	1410	520	7270	4810	2190	813	724	563	256
30	278	2660	1020	1300	---	10400	3360	1920	847	589	479	1140
31	660	---	981	1350	---	12300	---	1760	---	462	398	---
TOTAL	12452	77600	49778	51659	31200	104854	177130	133970	26226	16889	11922	9748
MEAN	402	2587	1606	1666	1076	3382	5904	4322	874	545	385	325
MAX	769	7130	3730	3560	2000	12300	13300	13400	1660	966	710	1140
MIN	278	660	967	781	500	540	1510	1010	552	323	269	196
CFSM	.72	4.60	2.86	2.96	1.92	6.02	10.5	7.69	1.56	.97	.69	.58
IN.	.82	5.14	3.29	3.42	2.07	6.94	11.72	8.87	1.74	1.12	.79	.65

CAL YR 1979 TOTAL 684773 MEAN 1876 MAX 17600 MIN 209 CFSM 3.34 IN 45.33
WTR YR 1980 TOTAL 703428 MEAN 1922 MAX 13400 MIN 196 CFSM 3.42 IN 46.56

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi (1.3 km) east of Wortham, 1.3 mi (2.1 km) downstream from Illinois Central Railroad bridge, 1.1 mi (1.8 km) upstream from Saucier Creek, and 4.2 mi (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

PERIOD OF RECORD.--October 1952 to current year.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft (5.846 m) Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records good except those for period of no gage height record Apr. 18 to July 13, which are poor.

AVERAGE DISCHARGE.--28 years, 192 ft³/s (5.437 m³/s), 27.13 in/yr (689 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 23.08 ft present datum, Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft (7.711 m) present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mi (1.6 km) upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	1700	2530	71.6	12.00	3.658	Mar. 30	0515	4480	127	17.91	5.459
Nov. 25	1730	4040	114	15.94	4.859	Apr. 3	0100	2830	80.1	12.87	3.923
Dec. 6	1530	2170	61.5	10.95	3.338	Apr. 13	2200	a*7780	220	22.94	6.992
Mar. 18	0115	6060	172	19.95	6.081	May 19	Unknown	Unknown		Unknown	
Mar. 28	1715	4260	121	17.49	5.331						

Minimum discharge, 4.5 ft³/s (0.13 m³/s) Sept. 4, gage height, 1.82 ft (0.555 m).

a May have been higher during period of missing record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	559	204	119	145	210	776	150	68	20	18	7.0
2	68	262	176	104	119	397	1250	120	60	16	16	6.4
3	59	132	153	94	106	193	2120	250	54	14	15	5.6
4	52	76	137	95	98	124	1320	160	50	12	21	5.4
5	50	53	127	98	96	168	646	120	46	11	28	5.2
6	45	42	1340	88	155	181	398	100	43	10	20	7.4
7	41	40	1190	88	152	135	408	90	41	9.6	15	7.4
8	38	42	662	106	112	228	414	85	39	9.2	14	6.4
9	39	41	331	175	206	417	394	82	36	14	13	6.2
10	38	349	241	226	310	279	263	80	38	13	12	5.9
11	38	504	202	922	189	195	205	76	34	11	11	5.7
12	38	377	181	972	135	196	1950	72	31	10	15	5.4
13	39	192	428	573	115	193	6360	68	28	9.4	22	5.2
14	37	117	1310	365	104	146	5490	64	26	8.7	36	5.7
15	37	86	610	272	96	104	1640	60	24	8.4	43	9.0
16	36	70	408	260	107	86	697	200	22	8.1	40	7.1
17	36	60	298	557	153	1860	466	2500	21	8.1	31	6.4
18	35	52	228	1120	128	4620	350	1500	20	8.4	21	6.4
19	35	49	190	793	98	2010	320	4500	25	10	25	11
20	33	45	165	429	89	793	300	4000	22	13	17	9.7
21	33	41	161	281	87	700	250	2000	20	79	14	8.7
22	33	42	149	243	85	493	180	700	18	216	15	7.7
23	35	1570	160	504	130	329	150	450	19	167	13	7.1
24	37	1620	230	343	129	306	130	300	35	99	11	6.4
25	38	2930	367	232	96	367	120	220	30	54	10	5.9
26	37	2330	283	239	78	642	1300	170	25	34	9.0	7.4
27	36	1180	177	261	66	1070	1000	130	20	30	8.0	6.7
28	34	514	142	193	60	3280	500	110	18	29	7.4	6.2
29	33	347	127	158	58	3070	300	90	16	32	6.6	6.2
30	31	251	129	140	---	4020	200	80	15	26	6.2	6.4
31	300	---	134	139	---	1720	---	74	---	23	6.0	---
TOTAL	1519	13973	10640	10189	3502	28532	29897	18601	944	1012.9	539.2	203.2
MEAN	49.0	[illegible]	343	329	121	920	997	600	31.5	32.7	17.4	6.77
MAX	300	29[illegible]	1340	1120	310	4620	6360	4500	68	216	43	11
MIN	31	40	127	88	58	86	120	60	15	8.1	6.0	5.2
CFSM	.51	4.85	3.57	3.42	1.26	9.57	10.4	6.24	.33	.34	.18	.07
IN.	.59	5.41	4.12	3.94	1.36	11.04	11.57	7.20	.37	.39	.21	.08

CAL YR 1979 TOTAL 122091.0 MEAN 334 MAX 3110 MIN 8.0 CFSM 3.48 IN 47.26
WTR YR 1980 TOTAL 119552.3 MEAN 327 MAX 6360 MIN 5.2 CFSM 3.40 IN 46.28

02481510 WOLF RIVER NEAR LANDON, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi (0.5 km) downstream from Sandy Creek, 1.3 mi (2.1 km) upstream from Pole Branch, and 11.2 mi (18.0 km) northwest of Landon.

DRAINAGE AREA.--308 mi² (798 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 736 ft³/s (20.84 m³/s), 32.45 in/yr (824 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 15,800 ft³/s (447 m³/s) May 20, 1980, gage height, 19.83 ft (6.044 m); minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 25	2200	4490	127	8.99	2.740	Apr. 3	0030	6510	184	11.98	3.652
Mar. 17	2230	12700	360	17.01	5.185	Apr. 13	1530	15600	442	19.73	6.014
Mar. 30	0130	11600	329	16.68	5.084	May 20	0700	*15800	447	19.83	6.044

Minimum daily discharge, 70 ft³/s (1.98 m³/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	169	393	336	464	637	3420	771	435	219	165	97
2	248	286	351	314	457	923	3440	680	390	215	138	102
3	228	276	330	295	424	617	5610	891	355	161	124	123
4	209	205	311	284	393	461	3510	762	328	139	127	119
5	198	165	297	276	374	468	2260	580	300	127	168	139
6	186	146	1500	268	430	885	1680	460	280	120	136	127
7	175	137	1840	265	557	421	1630	420	260	113	132	112
8	167	133	1050	273	457	1630	1640	410	230	112	113	94
9	161	140	646	359	549	2500	1630	400	240	130	109	85
10	152	240	482	437	897	1790	1730	385	230	147	98	80
11	148	393	411	1710	723	1490	1550	360	230	136	96	78
12	144	511	377	2150	584	944	3690	340	211	117	102	76
13	144	396	475	1380	515	728	12900	320	193	107	126	74
14	135	286	2130	1010	434	568	12700	315	181	99	138	72
15	131	228	1970	764	393	447	9910	320	170	96	147	71
16	127	198	1250	608	390	393	3160	1160	165	93	160	70
17	127	180	867	1300	461	4080	1840	6660	158	93	161	80
18	125	169	646	3010	450	10100	1440	6600	157	117	133	106
19	125	163	511	1730	383	4350	1350	9660	170	133	113	111
20	122	158	447	1110	354	2090	1210	14900	175	165	97	98
21	122	156	408	822	339	1950	1010	12500	179	793	104	87
22	122	158	396	705	336	1520	839	7150	168	1190	97	83
23	142	939	596	1100	641	1170	740	2440	186	744	87	79
24	178	1360	822	1120	675	1050	660	1670	275	516	85	75
25	184	3140	862	807	464	1340	600	1190	348	324	79	73
26	156	3210	629	741	393	1960	1920	945	334	239	77	87
27	142	1640	478	697	333	3510	3400	797	306	193	76	92
28	131	965	402	596	300	5400	2440	688	223	173	75	83
29	124	650	365	526	286	6850	1420	600	190	239	74	78
30	122	475	359	475	---	8910	920	530	190	213	73	77
31	131	---	359	450	---	6370	---	470	---	195	99	---
TOTAL	4871	17272	21960	25918	13456	75152	90249	75366	7257	7458	3509	2728
MEAN	157	576	708	836	464	2424	3008	2431	242	241	113	90.9
MAX	265	3210	2130	3010	897	10100	12900	14900	435	1190	168	139
MIN	122	133	297	265	286	393	600	315	157	93	73	70
CFSM	.51	1.87	2.30	2.71	1.51	7.87	9.77	7.89	.79	.78	.37	.30
IN.	.59	2.09	2.65	3.13	1.63	9.08	10.90	9.10	.88	.90	.42	.33

CAL YR 1979 TOTAL 321407 MEAN 881 MAX 9800 MIN 62 CFSM 2.86 IN 38.82
WTR YR 1980 TOTAL 345196 MEAN 943 MAX 14900 MIN 70 CFSM 3.06 IN 41.69

02481510 WOLF RIVER NR LANDON, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1978 to current year.
WATER TEMPERATURE: May 1978 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since May 1978.

REMARKS.--Prior to Oct. 6, 1978, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 35.0°C July 4, 1978; minimum, 17.0°C May 5, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 53 micromhos Sept. 13, 1978; minimum, 20 micromhos Jan. 6, 1966.
WATER TEMPERATURE: Maximum, 35.0°C July 4, 1979; minimum, 7.5°C Dec. 12, 13, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 35.5°C Sep. 11; minimum, 6.5°C Dec. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
04...	1100	211	31	5.7	22.0	3.0	8.0	180	K91	7	1	1.5
NOV												
07...	1600	135	22	5.9	17.0	2.0	9.1	110	K16	6	4	1.3
DEC												
13...	1300	[illegible]59	31	5.4	15.0	3.0	7.9	K69	K31	5	0	1.0
JAN												
16...	1030	568	28	5.5	14.0	3.8	9.6	150	K94	5	2	1.1
FEB												
07...	1330	568	28	6.3	10.0	5.0	9.9	K94	K29	16	6	4.7
MAR												
05...	1000	464	30	5.5	11.0	5.0	9.3	210	100	5	2	1.0
APR												
02...	1200	2860	23	5.3	15.0	2.0	9.3	820	940	4	2	.9
MAY												
07...	1300	416	28	6.0	24.0	4.6	7.5	K10	<5	5	0	1.1
JUN												
05...	1530	314	28	6.2	29.0	3.8	7.1	K48	K65	5	0	1.1
JUL												
01...	1700	197	31	6.2	33.0	2.5	5.4	140	K74	7	4	1.5
AUG												
07...	0930	133	38	6.3	28.0	6.3	7.5	K42	K16	7	0	1.6
SEP												
04...	1500	111	36	6.4	26.0	2.0	--	K71	K17	8	0	1.4

02481510 WOLF RIVER NR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT 04...	.7	3.0	46	.5	.8	6	2.4	4.4	.0	13	38	30
NOV 07...	.6	2.9	59	.5	.9	2	2.8	4.9	.0	12	27	27
DEC 13...	.5	2.5	50	.5	.7	6	3.4	4.3	.0	11	31	27
JAN 16...	.6	2.7	50	.5	.6	3	3.2	3.9	.0	9.6	21	24
FEB 07...	1.0	5.4	40	.6	1.2	10	5.3	8.4	.1	10	51	43
MAR 05...	.5	2.7	53	.6	.5	3	3.2	4.6	.1	8.9	31	24
APR 02...	.4	1.7	44	.4	.6	2	2.6	2.5	.0	5.2	26	16
MAY 07...	.6	2.8	49	.5	.9	5	2.4	3.8	.0	9.0	30	24
JUN 05...	.6	2.3	41	.4	1.5	6	2.4	4.6	.0	9.4	33	26
JUL 01...	.7	2.2	39	.4	.8	3	2.3	4.0	.1	9.6	39	24
AUG 07...	.8	2.9	42	.5	1.0	7	3.9	4.0	.1	11	39	30
SEP 04...	1.1	2.6	38	.4	1.1	8	3.8	5.3	.0	13	46	33

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT 04...	.05	21.6	.04	.07	.040	.070	.05	.09	.37	.18	.41	.16
NOV 07...	.04	9.84	.02	.04	.020	.010	.02	.01	.39	.33	.41	.07
DEC 13...	.04	30.0	.05	.10	.010	.020	.01	.03	.23	.22	.24	.00
JAN 16...	.03	32.2	.05	.13	.030	.010	.04	.01	.60	.41	.63	.21
FEB 07...	.07	78.2	.17	.15	.160	.160	.21	.21	.27	.22	.43	.00
MAR 05...	.04	38.8	.15	.15	.110	.190	.19	.24	.74	.74	.93	.00
APR 02...	.04	201	.07	.06	.020	.040	.02	.05	.22	.17	.24	.03
MAY 07...	.04	33.7	.07	.09	.000	.020	.00	.03	.42	.47	.42	.00
JUN 05...	.04	28.0	.06	.11	.020	.020	.02	.03	.24	.22	.26	.02
JUL 01...	.05	20.7	.09	.05	.050	.030	.06	.04	.23	.13	.28	.00
AUG 07...	.05	14.0	.09	.09	.170	.170	.22	.22	.27	.27	.44	.00
SEP 04...	.06	13.8	.03	.05	.030	.010	.04	.01	.19	.28	.22	.00

02481510 WOLF RIVER NR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
04...	.25	.45	2.0	.010	.03	.010	0	--	--	42	24	70
NOV												
07...	.34	.43	1.9	.010	.03	.010	--	4.2	--	31	11	61
DEC												
13...	.24	.29	1.3	.010	.03	.010	0	5.3	--	92	89	53
JAN												
16...	.42	.68	3.0	.010	.03	.010	0	--	--	68	104	47
FEB												
07...	.38	.59	2.6	.080	.25	.020	--	4.5	--	65	100	77
MAR												
05...	.93	1.1	4.9	.070	.21	.010	0	4.1	240	15	19	85
APR												
02...	.21	.31	1.4	.030	.09	.010	0	--	--	145	1120	86
MAY												
07...	.49	.49	2.2	.010	.03	.000	--	6.1	1800	--	--	--
JUN												
05...	.24	.32	1.4	.000	.00	.010	2	6.0	530	29	25	70
JUL												
01...	.16	.37	1.6	.010	.03	.010	0	--	150	21	11	73
AUG												
07...	.44	.53	2.3	.030	.09	.060	--	5.0	2700	20	7.2	95
SEP												
04...	.29	.25	1.1	.020	.06	.020	0	4.4	430	30	9.0	74

02481510 WOLF RIVER NR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
04...	2	0	2	0	--	--	0	0	1	20	0
JAN											
16...	0	0	0	<50	<10	40	3	0	5	20	10
APR											
02...	1	0	1	<50	<20	30	5	0	5	20	10
JUL											
01...	1	0	1	<50	<10	40	0	0	0	30	20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
04...	20	1	0	3	3	1	2	770	430	340	9
JAN											
16...	10	0	0	3	3	1	2	390	240	150	0
APR											
02...	10	0	0	2	6	0	6	920	700	220	4
JUL											
01...	<10	0	0	0	2	0	2	900	550	350	0

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
04...	8	1	50	10	40	<.5	<.0	<.5	1	1	0
JAN											
16...	0	0	50	10	40	.1	.0	.1	7	4	3
APR											
02...	2	2	60	10	50	.1	.0	.1	8	7	1
JUL											
01...	0	0	40	10	30	.2	.0	.2	--	--	0

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
04...	0	0	0	0	0	30	30	1	6.6	--
JAN										
16...	0	0	0	0	0	20	10	10	5.5	--
APR										
02...	0	0	0	0	0	410	400	10	4.3	1.8
JUL										
01...	0	0	0	0	0	10	4	6	3.7	--

02481510 WOLF RIVER NR LANDON, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAR 5,80	MAY 7,80	JUN 5,80	JUL 1,80	AUG 7,80	SEP 4,80
TIME	1000	1300	1530	1700	0930	1500
TOTAL CELLS/ML	240	1800	530	150	2700	430
DIVERSITY: DIVISION	0.3	1.0	0.7	1.3	0.3	0.7
.CLASS	0.3	1.0	0.9	1.3	0.3	0.7
..ORDER	0.3	1.1	2.1	1.6	0.3	0.8
...FAMILY	0.3	1.1	2.5	2.1	0.3	0.9
....GENUS	0.3	1.2	3.1	2.4	0.3	1.6

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...OOCYSTACEAE												
....ANKISTRODESMUS	--	-	--	-	43	8	39#	25	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	110#	22	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	14	1	--	-	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	57	11	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	13	8	--	-	--	-
...SCENEDESMACEAE												
....CRUCIGENIA	--	-	160	9	57	11	--	-	--	-	--	-
....SCENEDESMUS	--	-	55	3	--	-	26#	17	52	2	--	-
..TETRASPORALES												
...PALMELLACEAE												
....SPHAEROCYSTIS	--	-	--	-	110#	22	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	-	--	-	43	8	--	-	*	0	--	-
..ZYGNEMATALES												
...DESMIDIACEAE												
....COSMARIUM	14	6	--	-	--	-	13	8	--	-	--	-
....EUASTRUM	--	-	--	-	14	3	--	-	--	-	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	--	-	55	3	--	-	--	-	--	-	13	3
..PENNALES												
...ACHNANTHACEAE												
....ACHNANTHES	--	-	--	-	--	-	13	8	--	-	--	-
...FRAGILARIACEAE												
....FRAGILARIA	--	-	--	-	29	5	--	-	--	-	--	-
...GOMPHONEMATACEAE												
....GOMPHONEMA	--	-	--	-	14	3	--	-	--	-	--	-
...NAVICULACEAE												
....NAVICULA	--	-	--	-	--	-	--	-	26	1	13	3
...NITZSCHIACEAE												
....NITZSCHIA	--	-	27	2	--	-	--	-	--	-	26	6
.CHRYSOPHYCEAE												
..CHRYSOMONADALES												
...CHROMULINACEAE												
....CHRYSOCOCCUS	--	-	--	-	29	5	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOCHRYSIDACEAE												
....CHROOMONAS	--	-	14	1	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	14	1	--	-	--	-	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	230#	94	--	-	--	-	--	-	--	-	100#	24
....ANACYSTIS	--	-	1400#	79	--	-	52#	33	--	-	260#	61
..HORMOGONALES												
...OSCILLATORIACEAE												
....LYNGBYA	--	-	--	-	--	-	--	-	2600#	96	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	27	2	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	14	3	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..PERIDINIALES												
...GLENODINIACEAE												
....GLENODINIUM	--	-	--	-	--	-	--	-	--	-	13	3

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02481510 WOLF RIVER NR LANDON, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	32	29	31	27	23	25	37	36	36	---	---	---
2	32	30	31	25	22	23	37	36	36	---	---	---
3	33	28	30	25	23	24	37	32	36	---	---	---
4	32	27	27	25	24	25	33	32	32	---	---	---
5	29	27	28	26	24	25	33	32	32	---	---	---
6	29	28	29	25	24	24	33	27	31	---	---	---
7	29	27	28	24	23	24	35	29	31	---	---	---
8	31	27	29	29	24	26	32	31	31	---	---	---
9	31	27	28	29	28	28	32	31	31	---	---	---
10	28	26	27	31	27	29	32	31	31	---	---	---
11	26	26	26	31	26	28	31	31	31	---	---	---
12	26	22	24	30	28	29	32	31	31	---	---	---
13	28	22	23	40	30	33	32	31	32	---	---	---
14	25	21	22	40	31	36	---	---	---	---	---	---
15	24	22	22	39	39	39	---	---	---	---	---	---
16	24	22	23	41	39	40	---	---	---	29	25	25
17	27	24	24	41	40	41	---	---	---	---	---	---
18	26	24	25	41	40	41	---	---	---	---	---	---
19	29	24	25	40	39	40	---	---	---	27	27	27
20	24	23	23	39	39	39	---	---	---	26	23	24
21	24	23	24	39	39	39	---	---	---	24	23	23
22	24	23	24	39	38	39	---	---	---	25	24	24
23	23	23	23	40	38	39	---	---	---	29	23	26
24	23	22	22	43	40	42	---	---	---	25	23	24
25	22	22	22	42	33	36	---	---	---	25	25	25
26	23	22	23	35	33	34	---	---	---	29	23	26
27	27	23	25	36	35	35	---	---	---	29	29	29
28	28	25	27	32	32	32	---	---	---	29	29	29
29	27	26	27	36	32	33	---	---	---	29	24	27
30	30	26	27	37	32	36	---	---	---	28	26	27
31	30	26	27	---	---	---	---	---	---	27	26	27
		FEBRUARY			MARCH			APRIL			MAY	
1	29	26	27	---	---	---	39	19	22	28	26	27
2	29	25	27	---	---	---	20	15	18	28	26	27
3	30	24	28	---	---	---	19	15	18	58	26	38
4	30	24	26	---	---	---	49	17	30	28	26	27
5	30	25	27	32	27	28	48	22	33	29	27	28
6	30	25	29	30	27	28	50	23	37	29	28	29
7	29	25	28	---	---	---	53	26	39	29	29	29
8	---	---	---	---	---	---	56	20	34	30	29	30
9	---	---	---	---	---	---	47	22	34	30	29	30
10	---	---	---	---	---	---	52	18	33	30	29	29
11	---	---	---	---	---	---	45	18	31	29	29	29
12	---	---	---	---	---	---	46	17	27	30	28	29
13	---	---	---	---	---	---	17	12	15	30	24	27
14	---	---	---	25	24	25	16	13	16	30	25	26
15	---	---	---	25	25	25	18	13	16	26	25	25
16	---	---	---	26	25	25	45	16	28	26	19	22
17	---	---	---	26	17	22	63	23	42	20	14	16
18	---	---	---	20	17	18	44	19	35	20	16	17
19	---	---	---	22	20	22	57	23	41	20	15	17
20	---	---	---	27	22	26	59	24	39	18	14	16
21	---	---	---	27	26	27	55	20	33	17	13	15
22	---	---	---	---	---	---	64	22	42	22	13	19
23	---	---	---	---	---	---	63	25	38	25	18	22
24	---	---	---	---	---	---	26	25	26	27	20	26
25	---	---	---	---	---	---	27	26	27	27	22	25
26	---	---	---	---	---	---	29	21	24	27	23	26
27	---	---	---	30	18	20	55	19	25	27	26	27
28	---	---	---	26	23	24	49	20	30	28	24	27
29	---	---	---	23	19	22	52	21	35	28	24	27
30	---	---	---	19	19	19	62	23	41	29	24	27
31	---	---	---	20	18	19	---	---	---	30	24	28

02481510 WOLF RIVER NR LANDON, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	31	25	29	---	---	---	71	39	59			
2	30	25	29	59	50	52	66	41	61			
3	31	26	29	60	52	54	59	40	44			
4	32	30	31	59	56	57	60	39	52			
5	33	28	33	---	---	---	60	36	53			
6	34	29	32	---	---	---	72	41	56			
7	36	30	34	65	56	57	---	---	---			
8	37	35	36	67	57	60	43	42	43			
9	37	32	34	66	56	59	44	42	43			
10	38	32	37	64	55	57	45	42	43			
11	37	34	36	66	56	58	43	42	43			
12	35	29	34	61	46	58	48	42	43			
13	34	31	34	67	36	60	45	40	42			
14	35	32	34	92	57	77	44	40	41			
15	35	30	33	---	---	---	41	40	40			
16	32	31	32	---	---	---	40	39	39			
17	33	32	33	---	---	---	42	40	41			
18	45	33	38	---	---	---	42	40	41			
19	53	46	50	---	---	---	42	38	40			
20	53	51	52	---	---	---	43	39	40			
21	61	53	54	---	---	---	45	41	42			
22	62	60	61	66	57	61	45	40	42			
23	79	52	66	69	59	65	45	39	41			
24	---	---	---	71	61	64	47	41	43			
25	---	---	---	75	64	67	---	---	---			
26	---	---	---	77	75	77	---	---	---			
27	---	---	---	79	77	78	---	---	---			
28	---	---	---	79	68	71	---	---	---			
29	---	---	---	76	62	68	---	---	---			
30	---	---	---	71	62	65	---	---	---			
31	---	---	---	66	62	64	---	---	---			

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	21.0	23.0	20.5	18.5	19.5	10.5	8.0	9.0	---	---	---
2	25.5	22.0	23.5	19.0	17.0	18.0	10.0	8.0	9.0	---	---	---
3	23.5	20.0	22.0	18.0	15.5	16.5	9.0	7.5	8.5	---	---	---
4	22.5	21.0	21.5	17.0	13.5	15.5	9.5	6.5	8.0	---	---	---
5	21.5	17.5	21.5	16.5	13.5	15.0	10.0	7.0	8.5	---	---	---
6	21.5	17.0	19.5	17.0	14.0	15.5	13.0	10.0	12.5	---	---	---
7	23.0	18.5	19.0	17.5	14.5	16.0	13.0	11.5	12.0	---	---	---
8	23.5	20.0	20.5	15.5	14.5	15.5	12.0	10.5	11.0	---	---	---
9	24.0	20.5	22.0	20.5	16.5	18.5	11.5	9.5	10.5	---	---	---
10	22.0	19.0	21.0	20.0	18.0	19.0	12.0	9.0	10.5	---	---	---
11	21.0	17.0	19.0	18.0	15.5	16.5	13.0	10.5	12.0	---	---	---
12	21.5	17.5	19.0	16.5	14.0	15.0	15.0	12.5	14.0	---	---	---
13	22.5	18.5	20.0	15.0	13.0	14.0	15.5	15.0	15.5	---	---	---
14	21.0	18.0	19.5	14.0	11.5	12.5	---	---	---	---	---	---
15	21.0	16.0	18.5	13.5	10.5	12.0	---	---	---	---	---	---
16	21.0	17.5	19.0	13.5	10.0	12.0	---	---	---	15.5	14.5	15.5
17	23.0	19.5	21.0	14.0	10.5	12.0	---	---	---	16.0	15.5	15.5
18	23.5	19.5	21.5	14.5	11.0	12.5	---	---	---	17.0	16.0	16.5
19	24.5	21.5	22.5	16.0	12.5	14.0	---	---	---	16.5	15.0	15.5
20	25.0	21.5	23.0	17.0	13.5	15.0	---	---	---	16.0	15.0	15.5
21	25.5	22.5	23.5	18.0	15.0	16.5	---	---	---	16.0	15.0	15.5
22	24.0	23.0	23.5	19.5	17.0	18.5	---	---	---	16.5	15.5	16.0
23	22.5	19.0	21.0	19.0	14.0	16.0	---	---	---	16.0	13.5	14.5
24	19.5	17.0	18.0	14.0	13.0	13.5	---	---	---	13.0	11.5	12.5
25	17.0	15.5	16.5	14.5	13.0	14.0	---	---	---	12.5	12.0	12.0
26	18.5	14.5	16.5	14.0	13.0	13.5	---	---	---	13.5	12.5	13.0
27	19.0	15.0	17.0	14.5	12.5	13.5	---	---	---	15.0	13.5	14.0
28	20.0	16.5	18.0	15.0	13.0	14.0	---	---	---	14.0	13.0	13.5
29	21.5	18.0	19.5	13.0	10.5	12.0	---	---	---	14.0	11.5	13.0
30	22.5	18.5	20.5	11.0	9.0	10.0	---	---	---	14.5	12.0	13.5
31	21.5	20.5	21.0	---	---	---	---	---	---	14.5	11.5	13.5

02481510 WOLF RIVER NR LANDON, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.0	8.0	9.5	---	---	---	17.5	15.0	16.5	22.5	19.0	20.5
2	9.0	7.0	8.0	---	---	---	17.0	16.0	16.5	21.5	19.5	20.5
3	10.5	7.5	8.5	---	---	---	17.5	17.0	17.5	23.0	19.5	21.5
4	10.0	7.0	8.5	---	---	---	19.5	17.5	18.5	23.5	20.0	22.0
5	10.5	7.5	9.0	14.5	11.0	13.5	19.5	17.5	18.5	23.5	20.0	22.0
6	11.5	9.0	10.0	15.0	11.5	13.5	19.5	17.0	18.0	24.5	20.5	22.5
7	10.5	8.0	9.0	16.0	14.5	15.5	18.5	18.0	18.0	23.0	21.5	22.0
8	---	---	---	18.5	16.0	17.0	20.5	18.0	19.0	24.5	22.0	23.0
9	---	---	---	18.5	17.5	18.0	21.0	18.0	19.5	25.0	21.5	23.0
10	---	---	---	20.0	18.0	19.0	20.0	18.0	19.0	24.5	20.5	23.0
11	---	---	---	19.5	18.5	18.5	18.5	17.0	17.5	26.0	22.0	24.0
12	---	---	---	19.5	19.5	19.5	18.5	17.5	17.5	26.5	23.0	24.5
13	---	---	---	21.0	18.0	19.0	17.5	17.0	17.5	25.0	24.0	24.5
14	---	---	---	19.0	16.5	17.5	17.5	16.5	17.0	25.5	23.5	24.5
15	---	---	---	18.5	16.5	17.0	16.5	16.0	16.0	25.0	23.5	24.0
16	---	---	---	17.5	16.0	17.0	17.0	15.0	16.0	24.0	21.0	22.5
17	---	---	---	17.5	16.5	17.0	18.0	15.5	16.5	21.5	21.0	21.0
18	---	---	---	16.0	15.0	15.5	17.5	16.5	17.0	21.5	21.0	21.5
19	---	---	---	15.0	14.5	14.5	17.5	16.0	16.5	21.5	21.0	21.0
20	---	---	---	16.0	14.5	15.0	19.0	16.0	17.0	22.0	21.0	21.5
21	---	---	---	17.5	15.5	16.5	20.5	16.5	18.5	22.0	21.5	21.5
22	---	---	---	17.0	14.5	15.5	21.5	18.0	19.5	22.0	21.5	21.5
23	---	---	---	16.5	14.5	15.5	22.5	19.0	21.0	23.5	21.5	22.0
24	---	---	---	18.0	16.0	17.0	23.0	19.0	21.0	24.0	22.0	23.0
25	---	---	---	18.0	15.0	17.0	22.5	20.0	21.5	25.5	22.5	24.0
26	---	---	---	16.5	15.5	15.5	23.0	20.5	22.0	26.5	23.0	24.5
27	---	---	---	14.5	14.5	14.5	21.0	20.0	20.5	26.5	23.5	25.0
28	---	---	---	16.5	14.5	15.5	20.5	18.5	19.5	27.0	23.5	25.0
29	---	---	---	16.5	16.5	16.5	21.0	18.5	19.5	27.0	24.0	25.5
30	---	---	---	17.0	16.0	16.5	20.5	18.5	19.5	26.5	24.0	25.0
31	---	---	---	17.5	16.0	16.5	---	---	---	27.0	23.5	25.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.5	23.5	25.5	32.0	30.0	31.0	32.0	28.5	30.0	31.0	27.0	28.5
2	27.5	24.0	26.0	32.0	28.5	30.5	31.5	28.0	29.5	31.0	26.5	29.0
3	28.5	24.5	26.5	32.5	29.0	30.5	31.0	28.0	29.5	29.5	28.0	28.5
4	29.0	24.0	26.5	33.5	29.5	31.0	32.5	27.5	30.0	28.0	26.0	27.0
5	29.5	25.0	29.0	34.0	30.0	31.5	32.5	28.5	30.5	26.5	26.0	26.0
6	29.0	25.5	27.5	34.5	30.0	32.0	32.5	29.0	30.5	27.5	25.5	26.5
7	30.0	26.5	28.0	34.0	30.0	32.0	33.0	28.5	30.5	31.0	26.0	28.0
8	31.0	27.0	29.0	33.5	29.0	31.0	32.5	29.0	30.5	31.5	27.5	29.5
9	29.0	26.5	27.5	34.0	29.5	31.5	32.5	28.5	30.5	31.5	27.5	29.5
10	28.0	24.0	26.5	33.5	30.0	31.5	32.5	28.5	30.5	32.0	25.5	29.0
11	28.5	24.0	26.5	34.0	30.0	32.0	32.5	28.5	30.5	35.5	26.5	29.5
12	28.5	22.0	26.5	34.0	30.5	32.0	33.5	28.5	30.5	30.0	25.5	27.0
13	29.0	24.5	27.0	34.5	30.5	32.5	33.0	29.5	31.0	32.5	23.0	27.5
14	29.5	25.5	27.5	35.0	30.5	32.5	32.0	28.5	30.0	32.0	26.0	29.0
15	30.0	26.5	28.0	35.0	31.0	32.5	32.5	28.5	30.0	32.5	28.0	29.5
16	30.0	26.5	28.0	33.5	30.0	31.5	29.5	27.5	28.5	32.0	26.5	29.0
17	30.5	27.0	28.5	32.5	29.0	31.0	32.0	27.0	29.0	29.0	25.5	27.0
18	30.0	28.0	28.5	33.0	29.5	31.0	33.0	28.5	30.5	27.5	24.5	26.5
19	30.5	27.5	29.0	32.0	29.0	30.5	32.0	28.5	30.5	27.5	26.0	26.5
20	30.5	27.5	29.0	29.0	26.5	28.0	---	---	---	29.0	25.5	27.5
21	31.0	28.0	29.5	26.5	25.0	26.0	---	---	---	31.0	26.5	28.5
22	31.0	28.0	29.5	27.0	25.0	26.0	34.5	24.5	29.0	31.0	26.0	28.5
23	29.0	27.0	28.0	27.0	25.5	26.0	33.5	28.0	31.0	31.5	26.5	28.5
24	28.5	26.5	27.5	29.5	25.5	27.5	33.0	28.0	30.5	34.0	25.5	27.5
25	28.5	26.0	27.5	30.5	26.0	28.5	32.5	28.0	30.0	31.0	21.5	27.0
26	28.0	26.5	27.0	29.0	27.5	28.0	31.5	27.5	29.5	30.5	21.0	28.0
27	28.5	26.0	27.0	29.5	27.0	28.5	---	---	---	29.5	27.0	28.0
28	30.0	27.5	28.5	29.5	27.5	28.5	32.5	22.0	27.5	29.5	24.0	26.0
29	31.0	28.5	29.5	31.0	27.0	29.0	31.5	27.0	29.5	30.5	24.0	27.5
30	32.0	29.5	30.5	32.0	27.5	29.5	31.5	26.5	28.5	28.5	26.0	27.0
31	---	---	---	32.0	29.0	30.5	31.5	27.5	29.0	---	---	---

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft (6.1 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 1.6 mi (2.6 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--904 mi² (2,341 km²), revised.

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years, 1,158 ft³/s (32.79 m³/s), 17.40 in/yr (442 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft³/s (2,210 m³/s) Apr. 14, 1979; gage height, 30.06 ft (9.162 m); minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954, gage height, 1.02 ft (0.311 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,700 ft³/s (614 m³/s) Apr. 15, gage height, 26.01 ft (7.93 m); minimum, 15 ft³/s (0.42 m³/s) Sept. 17-19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1510	186	4770	1460	2790	633	11000	4710	920	3050	130	29
2	1180	198	4170	1400	2420	673	9220	4110	647	1990	114	27
3	913	202	3450	1290	2110	654	7440	3610	482	1280	106	28
4	684	194	2680	1290	1900	667	6090	3170	388	767	99	30
5	490	178	2030	1230	1810	812	5050	2760	327	423	96	31
6	358	157	1600	1170	1880	961	4120	2230	287	293	89	27
7	274	139	1320	1100	1860	1100	3270	1790	254	231	80	25
8	220	125	1100	1080	1800	1300	2590	1540	225	195	72	24
9	183	125	898	1040	2990	1350	2140	1440	204	168	65	22
10	160	285	721	1020	3750	1340	1870	1300	188	148	60	20
11	141	261	593	2060	4360	1210	1670	1120	175	132	94	19
12	125	286	511	2570	5120	2770	4380	922	161	116	89	17
13	113	325	715	2940	5810	6000	7240	756	149	104	71	17
14	101	323	1040	3150	5320	12800	14600	656	138	99	63	16
15	90	312	1210	3340	5200	19100	20800	626	130	88	57	17
16	85	303	1370	3840	4320	15400	17600	950	121	81	53	16
17	78	283	1260	4130	3540	12400	12000	1830	114	75	48	15
18	75	256	1180	4040	2750	10700	8460	2150	108	93	43	15
19	67	233	1140	3770	2090	10600	6310	2920	104	105	40	19
20	63	211	1130	3280	1810	10800	5010	3100	100	101	38	22
21	59	194	1130	2700	1570	11000	3960	3190	98	139	36	21
22	57	192	1110	2960	1400	10100	3010	3650	113	140	33	20
23	55	566	1130	4100	1250	8860	2230	3550	168	198	31	19
24	52	868	1610	4790	1150	8340	1750	3170	259	187	28	18
25	52	2220	1710	5740	1000	7860	1650	2700	1300	181	28	17
26	50	3470	1790	6460	870	7090	4150	2150	3110	173	26	18
27	48	3610	1680	6560	777	6320	4250	1790	4540	178	25	17
28	46	4260	1470	5820	706	7270	4620	1660	5020	205	25	17
29	54	4900	1350	4920	644	8070	4700	1600	5140	177	26	19
30	61	5110	1370	4030	---	10600	4970	1440	4170	175	27	27
31	84	---	1430	3380	---	11900	---	1200	---	153	32	---
TOTAL	7528	29972	48668	96660	72997	208680	186150	67790	29140	11445	1824	629
MEAN	243	999	1570	3118	2517	6732	6205	2187	971	369	58.8	21.0
MAX	1510	5110	4770	6560	5810	19100	20800	4710	5140	3050	130	31
MIN	46	125	511	1020	644	633	1650	626	98	75	25	15
CFSM	.27	1.11	1.74	3.45	2.78	7.45	6.86	2.42	1.07	.41	.07	.02
IN.	.31	1.23	2.00	3.98	3.00	8.59	7.66	2.79	1.20	.47	.08	.03

CAL YR 1979 TOTAL 969636 MEAN 2657 MAX 73500 MIN 43 CFSM 2.94 IN 39.90
WTR YR 1980 TOTAL 761483 MEAN 2081 MAX 20800 MIN 15 CFSM 2.30 IN 31.34

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.45	4.65	19.33	11.27	15.50	7.59	23.88	19.24	9.02	15.80	4.51	3.10
2	10.13	4.75	18.39	11.04	14.47	7.80	22.95	18.30	7.82	12.98	4.34	3.06
3	8.96	4.78	17.02	10.60	13.56	7.70	21.83	17.35	7.00	10.55	4.25	3.08
4	7.83	4.72	15.20	10.60	12.87	7.77	20.63	16.43	6.45	8.35	4.16	3.13
5	6.77	4.58	13.28	10.37	12.53	8.49	19.37	15.42	6.08	6.66	4.13	3.14
6	5.94	4.40	11.77	10.12	12.79	9.20	17.98	13.92	5.81	5.85	4.04	3.06
7	5.35	4.23	10.71	9.79	12.71	9.82	16.31	12.45	5.56	5.40	3.93	3.02
8	4.94	4.10	9.82	9.71	12.51	10.65	14.65	11.58	5.35	5.11	3.82	2.99
9	4.63	4.10	8.91	9.54	15.91	10.85	13.31	11.18	5.18	4.87	3.73	2.94
10	4.42	5.40	8.05	9.48	17.63	10.78	12.44	10.64	5.05	4.68	3.65	2.91
11	4.25	5.25	7.36	13.17	18.72	10.26	11.73	9.89	4.93	4.53	4.10	2.87
12	4.10	5.42	6.91	14.91	19.80	14.46	18.15	9.02	4.81	4.35	4.05	2.83
13	3.97	5.71	7.96	15.87	20.67	20.86	21.79	8.32	4.69	4.22	3.81	2.82
14	3.85	5.70	9.54	16.40	20.08	24.32	24.93	7.87	4.59	4.16	3.70	2.80
15	3.73	5.63	10.28	16.79	19.92	25.69	25.91	7.73	4.50	4.03	3.61	2.81
16	3.67	5.57	10.91	17.80	18.65	25.13	25.47	9.10	4.41	3.94	3.54	2.79
17	3.58	5.43	10.47	18.35	17.20	24.53	24.32	12.58	4.34	3.87	3.53	2.76
18	3.53	5.24	10.16	18.18	15.38	23.95	22.82	13.65	4.27	4.09	3.44	2.76
19	3.45	5.07	10.00	17.67	13.49	23.91	21.17	15.82	4.22	4.23	3.38	2.85
20	3.39	4.91	9.92	16.68	12.53	24.00	19.65	16.28	4.18	4.19	3.35	2.95
21	3.33	4.77	9.92	15.25	11.68	24.08	18.02	16.49	4.15	4.59	3.31	2.92
22	3.31	4.76	9.87	15.79	11.05	23.71	16.02	17.42	4.33	4.61	3.26	2.90
23	3.28	7.15	9.93	18.30	---	23.10	13.92	17.23	4.75	5.13	3.21	2.86
24	3.24	8.77	11.81	19.34	---	22.80	12.32	16.43	5.31	5.04	3.16	2.84
25	3.23	13.26	12.18	20.59	---	22.48	11.90	15.25	9.91	4.99	3.15	2.82
26	3.20	17.07	12.48	21.35	8.77	21.90	18.34	13.67	15.80	4.92	3.12	2.84
27	3.17	17.33	12.09	21.44	8.33	21.21	18.55	12.49	18.44	4.96	3.09	2.82
28	3.14	18.55	11.31	20.68	7.97	22.04	19.11	12.00	19.21	5.19	3.09	2.81
29	3.27	19.50	10.85	19.52	7.65	22.60	19.23	11.79	19.36	4.95	3.11	2.88
30	3.37	19.78	10.90	18.15	---	23.92	19.61	11.17	17.92	4.92	3.10	3.07
31	3.63	---	11.15	16.87	---	24.36	---	10.23	---	4.73	3.18	---
MEAN	4.65	7.69	11.24	15.34	---	18.06	18.88	13.26	7.58	5.67	3.61	2.91
MAX	11.45	19.78	19.33	21.44	---	25.69	25.91	19.24	19.36	15.80	4.51	3.14
MIN	3.14	4.10	6.91	9.48	---	7.59	11.73	7.73	4.15	3.87	3.09	2.76

CAL YR 1979 MEAN 10.81 MAX 29.76 MIN 3.14

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi (3.4 km) south of Carthage, 4.0 mi (6.4 km) downstream from Lobutcha Creek, 10.8 mi (17.4 km) upstream from Tuscolameta Creek, and at mile 366.3 (589.4 km).

DRAINAGE AREA.--1,346 mi² (3,486 km²), revised.

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) National Geodetic National Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--18 years, 2,051 ft³/s (58.08 m³/s), 20.69 in/yr (526 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s (2,890 m³/s) Apr. 14, 1979, gage height 28.74 ft (8.760 m); minimum 31 ft³/s (0.88 m³/s) Oct. 30, 1963, gage height, 2.36 ft (0.719 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of Apr. 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (7.74 m), discharge, 31,900 ft³/s (903 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,900 ft³/s (903 m³/s) Apr. 16, gage height, 24.09 ft (7.343 m); minimum, 82 ft³/s (2.32 m³/s) Sept. 27, 28, gage height, 3.04 ft (0.927 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2840	343	7580	2360	5570	1330	20100	7210	1710	6390	418	114
2	2210	503	7030	2310	4810	1490	17500	7050	1380	4890	362	112
3	1770	506	6200	2210	4220	1580	14200	6570	1080	3120	322	109
4	1410	464	5050	2200	3760	1510	11200	5510	898	1960	303	117
5	1080	404	4030	2250	3440	1630	9190	4910	775	1280	282	108
6	820	350	3140	2200	3350	1770	7650	4380	699	886	261	105
7	639	299	2520	2120	3210	1980	6420	3680	631	696	244	103
8	517	262	2160	2060	3090	2410	5260	3140	568	587	226	98
9	438	254	1870	1980	4660	2380	4290	2720	523	508	212	96
10	378	469	1610	1910	6380	2370	3500	2410	488	451	204	95
11	335	691	1370	3250	7170	2310	2990	2130	462	408	197	95
12	299	671	1170	4650	7630	4330	7280	1840	441	369	258	91
13	268	655	1430	5130	8150	11100	12000	1560	391	335	274	89
14	238	620	2380	5380	8490	16400	17500	1390	364	307	226	89
15	216	560	2480	5490	8390	19000	25800	1330	347	282	202	88
16	199	514	2630	5530	7740	26800	31000	1740	322	261	184	86
17	187	485	2650	6000	6740	29200	25700	2980	303	241	170	84
18	179	453	2510	6100	5530	22700	19200	3470	285	249	161	86
19	172	418	2410	5760	4470	19300	13700	3670	275	351	149	83
20	160	388	2270	5240	3570	19200	9940	4200	272	324	140	85
21	152	356	2020	4720	2990	20100	7750	4460	267	364	138	88
22	149	369	1930	4970	2620	19100	6160	4590	319	472	132	88
23	146	1300	1960	7080	2390	17300	4910	4810	285	641	121	86
24	142	2460	2900	7590	2190	15800	3800	4700	862	871	116	84
25	140	4790	3350	8290	2000	14500	3140	4330	1230	889	114	82
26	138	9500	3330	9070	1810	12900	6930	3820	2240	841	116	80
27	136	12800	3270	9480	1640	11400	7040	3140	3390	675	113	78
28	133	11400	3040	9390	1510	13800	6960	2620	6120	646	110	78
29	146	9450	2770	8600	1400	18400	6910	2240	8080	589	107	84
30	157	8180	2580	7420	---	21600	6970	2240	7530	512	107	98
31	190	---	2410	6470	---	21000	---	2010	---	468	107	---
TOTAL	15984	69914	92050	157210	128920	374690	324990	110850	42537	30863	6076	2779
MEAN	516	2330	2969	5071	4446	12090	10830	3576	1418	996	196	92.6
MAX	2840	12800	7580	9480	8490	29200	31000	7210	8080	6390	418	117
MIN	133	254	1170	1910	1400	1330	2990	1330	267	241	107	78
CFSM	.38	1.73	2.21	3.77	3.30	8.98	8.05	2.66	1.05	.74	.15	.07
IN.	.44	1.93	2.54	4.34	3.56	10.36	8.98	3.06	1.18	.85	.17	.08

CAL YR 1979 TOTAL 1576237 MEAN 4318 MAX 93800 MIN 123 CFSM 3.21 IN 43.56
WTR YR 1980 TOTAL 1356863 MEAN 3707 MAX 31000 MIN 78 CFSM 2.75 IN 37.50

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.81	5.32	17.89	10.83	15.84	8.38	22.82	17.54	9.62	16.72	5.50	3.47
2	10.50	5.97	17.37	10.73	14.93	8.76	22.33	17.39	8.79	14.96	5.21	3.45
3	9.47	5.98	16.53	10.50	14.13	9.02	21.38	16.91	7.98	12.36	4.99	3.42
4	8.58	5.82	15.24	10.48	13.45	8.83	20.21	15.77	7.39	10.15	4.88	3.50
5	7.71	5.58	13.84	10.59	12.93	9.12	19.04	15.00	6.98	8.52	4.75	3.41
6	6.98	5.36	12.39	10.48	12.78	9.48	17.92	14.28	6.70	7.35	4.62	3.38
7	6.43	5.15	11.18	10.31	12.52	9.99	16.75	13.26	6.44	6.69	4.51	3.36
8	6.02	4.98	10.40	10.17	12.31	10.94	15.46	12.39	6.18	6.26	4.39	3.30
9	5.72	4.92	9.73	9.99	14.73	10.88	14.15	11.66	5.99	5.92	4.29	3.26
10	5.47	5.84	9.08	9.82	16.72	10.86	12.98	11.09	5.83	5.66	4.23	3.24
11	5.30	6.59	8.47	12.61	17.50	10.73	12.14	10.53	5.71	5.45	4.18	3.24
12	5.15	6.53	7.94	14.72	17.94	13.64	17.10	9.90	5.61	5.25	4.60	3.18
13	5.00	6.48	8.61	15.32	18.33	20.01	20.55	9.26	5.36	5.06	4.70	3.15
14	4.86	6.37	10.87	15.63	18.57	22.10	22.31	8.82	5.22	4.90	4.39	3.13
15	4.74	6.16	11.09	15.76	18.50	22.64	23.51	8.66	5.12	4.75	4.22	3.10
16	4.64	6.01	11.40	15.81	18.01	23.63	24.02	9.59	4.99	4.62	4.08	3.08
17	4.56	5.90	11.45	16.32	17.07	23.86	23.52	12.09	4.88	4.49	3.97	3.07
18	4.50	5.78	11.16	16.43	15.80	23.19	22.64	12.94	4.77	4.54	3.90	3.09
19	4.45	5.64	10.95	16.07	14.48	22.68	21.20	13.25	4.71	5.15	3.80	3.07
20	4.36	5.51	10.64	15.46	13.16	22.67	19.53	14.03	4.69	5.00	3.71	3.09
21	4.30	5.39	10.09	14.81	12.12	22.83	18.03	14.40	4.66	5.22	3.70	3.13
22	4.27	5.44	9.87	15.06	11.38	22.65	16.49	14.57	4.97	5.76	3.64	3.14
23	4.25	8.29	9.94	17.42	10.91	22.30	14.99	14.87	4.77	6.48	3.54	3.12
24	4.22	11.04	11.92	17.90	10.46	21.95	13.43	14.73	6.98	7.31	3.49	3.10
25	4.20	14.53	12.79	18.43	10.04	21.50	12.38	14.21	8.39	7.37	3.47	3.07
26	4.18	19.25	12.75	18.97	9.59	20.93	17.27	13.47	10.75	7.21	3.49	3.05
27	4.17	20.88	12.64	19.24	9.16	20.31	17.38	12.38	12.81	6.61	3.46	3.04
28	4.14	20.31	12.21	19.18	8.82	21.22	17.30	11.48	16.45	6.50	3.43	3.04
29	4.25	19.22	11.69	18.65	8.55	22.50	17.25	11.04	18.28	6.27	3.40	3.12
30	4.34	18.35	11.31	17.74	---	23.05	17.31	10.75	17.84	5.94	3.40	3.30
31	4.57	---	10.95	16.81	---	22.97	---	10.28	---	5.74	3.40	---
MEAN	5.59	8.62	11.69	14.59	13.82	17.54	18.38	12.79	7.63	6.91	4.11	3.20
MAX	11.81	20.88	17.89	19.24	18.57	23.86	24.02	17.54	18.28	16.72	5.50	3.50
MIN	4.14	4.92	7.94	9.82	8.55	8.38	12.14	8.66	4.66	4.49	3.40	3.04

CAL YR 1979 MEAN 11.00 MAX 28.33 MIN 3.91
WTR YR 1980 MEAN 10.40 MAX 24.02 MIN 3.04

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi (0.6 km) southwest of Walnut Grove, 0.6 mi (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi (12.1 km) upstream from junction of north and south drainage canals, and 15.5 mi (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi² (1,064 km²), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M).

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939 to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi (0.3 km) upstream at same datum. Water-stage recorder, on south canal right bank at upstream side of bridge on State Highway 35, 1 mi (2 km) south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--41 years, 530 ft³/s (15.01 m³/s), 17.51 in/yr (445 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 33.00 ft (10.058 m) present datum, north canal, at site 0.2 miles (0.3 km) upstream; maximum gage height, south canal, 31.53 ft (9.610 m) Jan. 7, 1950, present datum, at site 1,800 ft (549 m) downstream; minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft (7.47 m), present datum, from floodmark, believed to be flood of April 1900.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 27	Unknown	Unknown		26.37	8.038	Mar. 18	1845	9860	279	27.27	8.312
Dec. 16	0300	4450	126	24.74	7.541	Mar. 22	1345	8440	239	26.85	8.184
Jan. 13	2400	4730	134	25.23	7.690	Mar. 30	2200	9920	281	27.28	8.315
Jan. 24	1345	8080	229	26.73	8.147	Apr. 13	1230	*18100	513	28.96	8.827
Feb. 11	1600	6090	172	26.00	7.925	Apr. 26	0200	5260	149	25.67	7.824
Mar. 14	0100	9540	270	27.18	8.284	May 19	1530	5540	157	25.78	7.858

Minimum daily discharge, 15 ft³/s (0.42 m³/s) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	218	314	321	666	183	6760	316	136	79	41	21
2	97	273	256	274	481	258	3010	396	117	64	37	21
3	90	194	221	244	368	235	809	681	104	59	35	23
4	83	131	202	372	320	206	550	640	95	60	35	23
5	78	105	192	451	313	1230	442	435	88	60	35	22
6	73	93	190	385	568	1880	360	267	81	50	32	19
7	70	85	182	317	652	1710	332	226	74	48	29	18
8	67	81	168	338	482	1800	397	260	71	50	26	17
9	64	83	154	344	3100	1590	468	247	70	43	27	16
10	63	201	148	391	4800	983	405	195	81	40	82	23
11	62	312	147	2170	5910	605	381	166	73	38	66	19
12	62	232	149	3770	5260	3970	7200	150	65	37	44	17
13	60	171	767	4480	1870	7290	16400	137	59	36	43	16
14	60	138	2950	3810	590	8220	15800	147	56	35	36	16
15	57	119	3960	985	441	5120	10400	204	56	34	31	16
16	54	107	4000	632	408	1490	6350	946	53	34	27	15
17	54	100	1560	2480	361	5110	2160	3610	52	33	27	16
18	54	95	565	2590	307	8330	665	4670	51	32	28	23
19	53	95	381	1850	282	8610	483	5380	50	31	25	25
20	57	93	314	882	267	7050	441	4220	51	49	26	25
21	55	95	268	501	262	6720	364	1810	55	117	20	22
22	53	103	247	2580	251	8210	305	1350	57	312	22	21
23	52	324	352	5450	234	6910	257	1720	56	246	20	21
24	52	980	1840	7700	210	4690	233	1480	290	110	18	21
25	51	2990	2370	6640	193	2180	821	949	844	75	20	20
26	48	4790	2080	3270	173	1350	4640	3040	752	57	21	20
27	50	6520	1050	865	160	1190	4630	1870	469	62	22	20
28	49	6450	473	564	158	4480	2870	630	243	104	23	20
29	53	3610	328	442	159	6550	805	252	150	78	22	21
30	66	661	336	394	---	9380	380	190	104	56	22	24
31	99	---	358	606	---	9220	---	159	---	45	23	---
TOTAL	1992	29449	26522	56098	29246	126750	89118	36743	4503	2174	965	601
MEAN	64.3	982	856	1810	1008	4089	2971	1185	150	70.1	31.1	20.0
MAX	106	6520	4000	7700	5910	9380	16400	5380	844	312	82	25
MIN	48	81	147	244	158	183	233	137	50	31	18	15
CFSM	.16	2.39	2.08	4.40	2.45	9.95	7.23	2.88	.37	.17	.08	.05
IN.	.18	2.67	2.40	5.08	2.65	11.47	8.07	3.33	.41	.20	.09	.05

CAL YR 1979 TOTAL 452004 MEAN 1238 MAX 20500 MIN 31 CFSM 3.01 IN 40.91
WTR YR 1980 TOTAL 404161 MEAN 1104 MAX 16400 MIN 15 CFSM 2.69 IN 36.58

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.81	13.21	13.79	13.80	15.94	12.76	26.29	14.15	12.24	11.39	10.73	11.09
2	11.69	13.97	13.32	13.44	14.91	13.42	22.66	14.81	12.06	11.22	10.67	11.07
3	11.56	13.13	13.05	13.22	14.22	13.16	17.16	16.75	11.91	---	10.64	11.09
4	11.43	12.31	12.89	14.17	13.85	12.91	15.77	16.65	11.78	---	10.72	11.08
5	11.34	11.92	12.80	14.70	13.81	17.83	15.06	15.29	11.67	---	10.77	11.11
6	11.26	11.71	12.80	14.27	15.37	19.80	14.48	13.85	11.56	---	10.68	11.08
7	11.22	11.59	12.74	13.81	15.57	19.12	14.28	13.44	11.48	---	10.61	11.05
8	11.17	11.52	12.61	13.99	14.72	19.87	14.81	13.70	11.39	---	10.57	11.06
9	11.12	11.53	12.49	14.08	22.44	19.12	15.11	13.62	11.36	---	10.57	11.09
10	11.10	12.77	12.43	14.17	25.08	17.24	14.46	13.15	11.56	---	10.65	11.08
11	11.10	14.28	12.46	20.13	25.90	15.66	14.21	12.85	11.45	---	10.92	11.07
12	11.12	13.56	12.48	23.78	25.59	21.55	25.79	12.66	11.30	---	10.84	11.08
13	11.09	12.79	15.40	24.79	20.19	26.41	28.65	12.50	11.22	---	10.89	11.09
14	11.09	12.37	22.45	23.99	15.77	26.77	28.54	12.62	11.18	---	10.87	11.12
15	10.99	12.10	23.94	17.47	14.79	25.32	27.38	13.25	11.17	---	10.86	11.12
16	10.97	11.92	24.12	15.84	14.59	19.41	26.13	16.61	11.16	---	10.83	11.11
17	10.96	11.81	19.12	21.63	14.25	25.31	21.11	23.51	11.15	---	10.83	11.18
18	10.96	11.74	15.29	21.62	13.82	26.76	16.51	24.99	11.15	---	10.88	11.23
19	10.95	11.76	14.23	19.87	13.62	26.90	15.32	25.69	11.14	10.62	10.88	11.33
20	10.94	11.74	13.79	16.87	13.53	26.39	14.90	24.05	11.16	10.73	10.94	11.29
21	10.97	11.79	13.47	15.10	13.44	26.24	14.51	19.02	11.22	10.87	10.62	11.27
22	10.95	11.88	13.31	20.42	13.36	26.77	14.12	18.30	11.19	11.43	10.71	11.27
23	10.94	13.83	13.96	25.60	13.23	26.34	13.71	19.99	11.18	11.44	10.77	11.27
24	10.99	17.49	19.71	26.59	13.02	24.91	13.46	19.49	12.72	11.22	10.83	11.27
25	10.99	22.25	20.86	26.25	12.88	20.82	15.24	17.00	15.19	11.10	10.92	11.23
26	10.97	25.25	19.88	23.00	12.72	18.96	24.95	21.88	15.42	10.99	10.98	11.21
27	11.00	26.19	17.09	17.19	12.56	18.44	24.94	18.82	14.82	10.98	11.03	11.24
28	11.01	26.19	14.70	15.57	12.55	24.80	22.22	14.56	12.92	11.14	11.06	11.24
29	11.14	23.27	13.83	14.77	12.57	26.08	16.94	13.15	12.10	11.26	11.04	11.24
30	11.42	15.92	13.92	14.42	---	27.13	14.67	12.71	11.66	11.00	11.09	11.32
31	11.76	---	14.10	15.72	---	27.08	---	12.44	---	10.82	11.13	---
MEAN	11.16	14.73	15.39	18.07	15.67	21.72	18.78	16.50	11.92	---	10.82	11.17
MAX	11.81	26.19	24.12	26.59	25.90	27.13	28.65	25.69	15.42	---	11.13	11.33
MIN	10.94	11.52	12.43	13.22	12.55	12.76	13.46	12.44	11.14	---	10.57	11.05

CAL YR 1979 MEAN 15.01 MAX 29.32 MIN 10.35

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi (3.2 km) south of Kosciusko.

DRAINAGE AREA.--303 mi² (785 km²), revised.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 442 ft³/s (12.52 m³/s), 19.81 in/yr (503 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft³/s (1,150 m³/s) Apr. 13, 1979, gage height, 23.06 ft (7.029 m); minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	0200	11400	323	16.85	5.136	Mar. 23	0300	5500	156	14.53	4.429
Jan. 12	0800	3680	104	13.53	4.124	Mar. 29	2100	*11700	331	16.94	5.163
Jan. 25	0200	4660	132	14.10	4.298	Apr. 14	0500	10400	295	16.51	5.032
Feb. 10	0300	3720	105	13.56	4.133	Apr. 28	0700	4510	128	14.02	4.273
Mar. 13	0700	4330	123	13.92	4.243	Jun. 27	1000	6140	174	14.84	4.523
Mar. 19	1000	6780	192	15.12	4.609						

Minimum daily discharge, 12 ft³/s (0.34 m³/s) Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	218	429	268	1500	233	3660	192	67	132	60	17
2	63	267	299	230	1160	402	2080	353	64	98	46	15
3	59	177	233	216	638	331	792	442	60	77	40	15
4	55	119	199	509	461	248	544	452	51	63	35	15
5	145	87	186	758	397	331	446	357	46	54	31	14
6	123	70	180	524	453	509	353	246	42	47	42	18
7	88	59	179	366	456	408	306	183	38	46	38	25
8	66	55	162	447	412	532	285	191	37	41	31	18
9	57	77	146	527	2000	546	254	168	44	38	34	15
10	47	415	135	429	3550	383	218	135	44	36	28	15
11	43	847	135	1450	3510	293	222	118	38	34	33	14
12	40	809	141	3430	3130	1580	3200	108	34	36	41	13
13	38	367	656	3060	1570	4030	6990	98	32	31	32	13
14	35	182	1580	2860	588	3050	10000	113	30	26	27	12
15	33	134	1240	1320	421	3850	7810	232	28	33	23	13
16	32	113	749	521	442	2050	4570	339	28	29	21	13
17	30	101	455	402	439	3120	2080	752	27	24	19	13
18	30	95	303	420	356	5440	660	847	39	24	19	13
19	30	94	239	480	298	6500	507	521	41	72	19	14
20	29	89	210	395	276	5180	392	424	59	81	18	15
21	29	84	192	360	265	5090	307	330	52	118	18	18
22	34	213	182	1210	251	4620	252	248	55	266	17	18
23	40	1900	227	4050	234	5110	209	234	48	653	15	17
24	43	4070	865	4120	209	4070	248	194	315	551	15	16
25	43	7470	1800	4350	184	3030	426	150	1130	234	14	16
26	43	11000	1510	2710	159	2420	3260	127	2360	147	14	17
27	36	10400	856	1090	145	1850	4070	113	5700	145	14	19
28	33	6750	430	673	143	6120	4310	93	3540	239	14	19
29	36	3520	308	485	139	9800	2750	82	928	227	14	24
30	98	1140	299	453	---	9680	785	74	217	129	15	41
31	86	---	301	1020	---	5500	---	70	---	83	17	---
TOTAL	1632	50922	14826	39133	23786	97106	61986	7986	15194	3814	804	505
MEAN	52.6	1697	478	1262	820	3132	2066	258	506	123	25.9	16.8
MAX	145	11000	1800	4350	3550	9800	10000	847	5700	653	60	41
MIN	29	55	135	216	139	233	209	70	27	24	14	12
CFSM	.17	5.60	1.58	4.17	2.71	10.3	6.82	.85	1.67	.41	.09	.06
IN.	.20	6.25	1.82	4.80	2.92	11.92	7.61	.98	1.87	.47	.10	.06

CAL YR 1979 TOTAL 356457 MEAN 977 MAX 34300 MIN 17 CFSM 3.22 IN 43.76
WTR YR 1980 TOTAL 317694 MEAN 868 MAX 11000 MIN 12 CFSM 2.87 IN 39.00

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi (2.4 km) east of Ofahoma, 3.5 mi (5.6 km) upstream from mouth, and 8.5 mi (13.7 km) southwest of Carthage.

DRAINAGE AREA.--469 mi² (1,215 km²), revised.

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 702 ft³/s (19.88 m³/s), 20.33 in/yr (516 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s (1,320 m³/s) Apr. 14, 1979, gage height, 23.27 ft (7.093 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 0.95 ft (0.290 m) Nov. 2, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,900 ft³/s (394 m³/s) Mar. 31, gage height, 18.53 ft (5.636 m); minimum, 21 ft³/s (0.59 m³/s) part or all of each day Sept. 19-23, 26-29, gage height, 1.09 ft (0.332 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	121	4590	569	1160	274	9050	3320	139	2540	171	30
2	144	133	2920	483	1120	332	5950	2240	127	1350	120	29
3	119	200	1790	439	1340	412	4360	1440	120	456	95	30
4	103	253	1050	466	1530	488	3240	1020	114	211	86	30
5	93	224	598	478	1400	545	2270	992	106	153	77	27
6	86	162	425	550	1150	545	1520	854	99	123	70	27
7	136	120	354	705	886	529	1060	683	93	106	62	25
8	144	101	317	807	755	603	782	588	89	93	60	24
9	115	92	294	722	1630	658	611	445	85	85	63	27
10	93	144	269	600	2860	685	514	373	81	80	57	30
11	81	183	243	1210	3170	737	466	316	79	74	58	27
12	70	304	229	2060	3580	1600	2770	259	79	69	61	24
13	62	388	516	2100	3500	6190	4660	225	76	65	53	23
14	57	521	841	2650	3330	6030	7730	209	71	62	59	24
15	53	636	832	2970	2670	4420	9460	220	66	60	56	23
16	50	489	1150	2850	1850	4050	9400	362	63	55	51	22
17	44	277	1480	2490	1210	4820	7440	664	60	53	47	22
18	44	198	1470	1780	839	5070	5130	675	58	58	44	22
19	43	165	1130	1180	709	5110	3410	782	64	88	41	22
20	41	148	746	828	639	6190	2160	985	108	62	38	21
21	41	139	496	699	559	8100	1350	1080	101	184	37	21
22	40	180	393	1120	498	7600	912	945	91	159	36	22
23	41	1220	379	2990	460	5870	650	757	86	188	34	21
24	41	2030	881	3150	427	5700	496	587	574	312	33	22
25	48	5490	1040	3720	393	6400	503	471	1540	450	32	22
26	50	11200	1030	4080	357	5010	1600	390	951	570	32	22
27	52	11000	1270	4350	319	3770	1620	357	711	473	31	22
28	52	10900	1570	3610	286	6990	2460	274	927	267	30	21
29	61	9820	1580	2470	263	9080	3790	205	2840	216	29	22
30	54	7130	1270	1660	---	11500	3990	175	3920	243	29	24
31	62	---	837	1330	---	13300	---	155	---	236	32	---
TOTAL	2305	63968	31990	55116	38890	132608	99354	22048	13518	9141	1724	728
MEAN	74.4	2132	1032	1778	1341	4278	3312	711	451	295	55.6	24.3
MAX	185	11200	4590	4350	3580	13300	9460	3320	3920	2540	171	30
MIN	40	92	229	439	263	274	466	155	58	53	29	21
CFSM	.16	4.55	2.20	3.79	2.86	9.12	7.06	1.52	.96	.63	.12	.05
IN.	.18	5.07	2.54	4.37	3.08	10.52	7.88	1.75	1.07	.73	.14	.06

CAL YR 1979 TOTAL 559575 MEAN 1533 MAX 40900 MIN 35 CFSM 3.27 IN 44.38
WTR YR 1980 TOTAL 471390 MEAN 1288 MAX 13300 MIN 21 CFSM 2.75 IN 37.39

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	2.79	15.43	5.89	8.50	3.93	17.49	13.96	2.80	12.59	3.11	1.30
2	3.08	2.92	13.31	5.42	8.35	4.31	16.40	11.97	2.68	9.18	2.60	1.28
3	2.81	3.54	10.75	5.16	9.22	4.81	15.24	9.58	2.60	5.03	2.32	1.31
4	2.63	3.97	8.07	5.32	9.93	5.26	13.84	7.93	2.54	3.45	2.21	1.30
5	2.51	3.74	6.03	5.39	9.45	5.59	12.04	7.79	2.45	2.94	2.09	1.25
6	2.43	3.19	5.08	5.79	8.44	5.59	9.88	7.16	2.37	2.64	1.99	1.23
7	3.00	2.76	4.63	6.57	7.31	5.50	8.06	6.33	2.30	2.45	1.87	1.20
8	3.08	2.54	4.38	7.04	6.69	5.91	6.81	5.83	2.25	2.30	1.84	1.18
9	2.77	2.43	4.22	6.65	10.12	6.20	5.95	5.00	2.19	2.20	1.89	1.23
10	2.51	3.00	4.03	6.05	13.25	6.34	5.41	4.58	2.14	2.13	1.80	1.31
11	2.37	3.36	3.83	8.61	13.76	6.60	5.13	4.22	2.11	2.05	1.82	1.23
12	2.22	4.33	3.72	11.56	14.34	9.45	12.39	3.82	2.10	1.98	1.86	1.17
13	2.12	4.88	5.46	11.67	14.24	16.52	15.51	3.56	2.08	1.92	1.74	1.15
14	2.05	5.65	7.18	12.86	13.99	16.43	17.18	3.43	2.01	1.88	1.83	1.18
15	1.99	6.26	7.15	13.44	12.90	15.31	17.77	3.51	1.93	1.85	1.78	1.15
16	1.94	5.46	8.48	13.24	10.94	14.95	17.76	4.44	1.89	1.77	1.71	1.13
17	1.86	4.11	9.75	12.54	8.68	15.67	17.07	6.23	1.84	1.73	1.64	1.12
18	1.85	3.48	9.70	10.75	7.08	15.88	15.86	6.29	1.82	1.81	1.58	1.12
19	1.83	3.17	8.41	8.61	6.46	15.90	14.07	6.82	1.89	2.22	1.52	1.12
20	1.80	3.01	6.75	7.13	6.10	16.53	11.77	7.76	2.46	1.88	1.48	1.09
21	1.79	2.92	5.49	6.54	5.67	17.32	9.27	8.16	2.39	3.13	1.45	1.10
22	1.78	3.23	4.88	8.21	5.32	17.14	7.42	7.58	2.27	3.00	1.43	1.11
23	1.78	8.69	4.79	13.40	5.09	16.37	6.16	6.70	2.21	3.25	1.40	1.10
24	1.78	11.48	7.31	13.74	4.90	16.28	5.31	5.82	5.12	4.18	1.38	1.12
25	1.89	15.41	8.04	14.53	4.70	16.64	5.29	5.16	9.95	5.03	1.36	1.13
26	1.92	17.98	7.99	14.98	4.48	15.80	10.16	4.68	7.58	5.73	1.34	1.12
27	1.94	18.01	8.98	15.25	4.24	14.60	10.24	4.48	6.47	5.16	1.33	1.11
28	1.95	18.04	10.10	14.36	4.01	16.71	12.34	3.93	7.48	3.87	1.31	1.09
29	2.06	17.78	10.13	12.49	3.85	17.51	14.62	3.40	12.80	3.49	1.29	1.11
30	1.96	16.90	8.95	10.37	---	18.03	14.87	3.14	14.76	3.70	1.29	1.16
31	2.07	---	7.15	9.20	---	18.39	---	2.96	---	3.65	1.35	---
MEAN	2.23	6.83	7.42	9.77	8.35	12.31	11.71	6.01	3.85	3.49	1.73	1.17
MAX	3.47	18.04	15.43	15.25	14.34	18.39	17.77	13.96	14.76	12.59	3.11	1.31
MIN	1.78	2.43	3.72	5.16	3.85	3.93	5.13	2.96	1.82	1.73	1.29	1.09

CAL YR 1979 MEAN 6.54 MAX 22.74 MIN 1.57
WTR YR 1980 MEAN 6.23 MAX 18.39 MIN 1.09

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi (0.6 km) downstream from Illinois Central Railroad bridge, 0.4 mi (0.6 km) downstream from Town Creek, 4.2 mi (6.8 km) upstream from Richland Creek, and at mile 287.0 (461.8 km).

DRAINAGE AREA.--3,171 mi² (8,213 km²).

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M).

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, at datum 1.20 ft (0.366 m) higher. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi (6.1 km) upstream (channel change). Datum of supplementary gage is 239.40 ft (72.969 m) NGVD.

REMARKS.--Records good. About 35 ft³/s (0.99 m³/s) is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plan at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi (24 km) upstream.

AVERAGE DISCHARGE.--63 years (1901-12, 1928-80), 4,088 ft³/s (115.8 m³/s), 17.51 in/yr (445 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Apr. 17, 1979, gage height, 43.28 ft (13.192 m), minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m) and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m), at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,800 ft³/s (1,470 m³/s) Apr. 15, gage height, 35.63 ft (10.860 m); minimum, 138 ft³/s (3.91 m³/s) Aug. 25, gage height 3.96 ft (1.207 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6510	859	27300	3050	13900	1890	42200	17500	2040	7810	362	302
2	5410	866	25500	2500	11400	2610	40500	15500	694	8500	348	296
3	4500	852	24400	3350	9420	1890	38400	13800	835	7490	322	296
4	3260	718	21100	3690	7970	1440	33700	13000	1640	5050	724	296
5	1950	290	16600	3340	6480	3650	28300	11000	1420	1540	519	283
6	998	252	13000	2760	5660	4370	23900	7950	810	1960	322	283
7	879	517	9610	2960	5220	4770	20400	6480	444	1480	515	302
8	823	415	6080	3660	5600	5580	17900	6590	423	590	302	305
9	588	1590	2890	3190	10300	5720	14500	5910	427	441	286	293
10	557	2290	1530	3060	14700	5850	11800	4110	406	578	289	280
11	487	1390	1640	8900	17200	6350	10800	2650	384	374	305	277
12	430	724	2610	11900	19100	8880	27300	2250	371	365	293	267
13	395	1170	5880	12000	19600	14500	44300	2560	365	362	289	271
14	392	1210	7020	13500	18200	20900	49200	2860	359	340	283	274
15	377	1200	6720	13900	16900	25200	50900	2620	349	328	293	280
16	329	1030	7740	13800	16200	26000	48100	5560	346	322	286	280
17	309	651	8030	14900	14700	35300	46900	9060	337	295	277	312
18	307	625	8070	13800	12000	39100	45200	9410	346	310	289	296
19	290	597	6760	13000	9510	39400	42000	9770	368	337	286	280
20	293	683	5200	12400	7360	41600	36200	11100	393	497	286	274
21	293	1450	3680	10800	5580	44200	28400	11400	337	1370	286	283
22	315	2160	2190	12500	4220	42000	22100	13300	322	2900	277	274
23	307	6200	2490	16000	3350	39900	17000	14000	322	3430	283	274
24	309	6840	5530	19000	3060	39700	13300	12100	795	2520	246	277
25	284	12700	6580	23000	2500	36700	10400	9500	2990	1180	159	331
26	290	23300	7710	23100	1990	34500	12600	7780	5170	745	264	293
27	287	30400	8250	21000	1790	34200	14900	7400	5660	1340	283	274
28	287	33900	7580	19600	1410	38000	18100	7800	4850	1530	312	271
29	389	33800	6950	19200	1410	40100	16600	7930	5850	890	318	365
30	290	31200	6070	17600	---	43300	17700	5370	6430	365	299	328
31	517	---	4700	15800	---	42700	---	3510	---	341	305	---
TOTAL	32652	199879	269410	357260	266730	730300	843600	259770	45483	55580	9908	8717
MEAN	1053	6663	8691	11520	9198	23560	28120	8380	1516	1793	320	291
MAX	6510	33900	27300	23100	19600	44200	50900	17500	6430	8500	724	365
MIN	284	252	1530	2500	1410	1440	10400	2250	322	295	159	267
CFSM	.33	2.10	2.74	3.63	2.90	7.43	8.87	2.64	.48	.57	.10	.09
IN.	.38	2.34	3.16	4.19	3.13	8.57	9.90	3.05	.53	.65	.12	.10

CAL YR 1979 TOTAL 3509455 MEAN 9615 MAX 126000 MIN 252 CFSM 3.03 IN 41.17
WTR YR 1980 TOTAL 3079289 MEAN 8413 MAX 50900 MIN 159 CFSM 2.65 IN 36.12

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.35	6.13	31.48	11.87	26.10	8.98	34.72	27.02	8.98	19.28	4.81	4.49
2	17.21	6.15	30.95	10.54	24.54	10.80	34.38	25.96	6.35	20.25	4.77	4.46
3	15.21	6.11	30.61	12.60	22.92	9.00	33.95	24.86	6.62	18.77	4.68	4.46
4	12.37	5.69	29.48	13.39	21.32	7.80	32.89	24.34	8.25	14.45	5.76	4.45
5	9.14	4.27	27.56	12.57	19.30	11.90	31.41	22.76	7.84	8.04	5.22	4.41
6	6.54	4.14	25.54	11.17	17.78	13.21	29.85	19.44	6.58	8.83	4.67	4.40
7	6.19	5.06	23.03	11.66	16.82	13.94	28.38	17.05	5.72	7.91	5.22	4.46
8	6.02	4.71	18.38	13.33	17.62	15.41	27.19	17.26	5.66	5.76	4.60	4.46
9	5.29	8.15	11.44	12.21	23.48	15.67	25.31	16.01	5.67	5.27	4.55	4.42
10	5.19	10.01	8.03	11.91	26.56	15.90	23.46	12.75	5.61	5.71	4.55	4.37
11	4.96	7.65	8.31	21.69	27.85	16.81	22.54	10.09	5.54	5.01	4.60	4.36
12	4.76	5.72	10.79	24.89	28.70	20.46	30.62	9.36	5.50	4.98	4.55	4.33
13	4.65	7.04	18.12	24.99	28.92	25.25	34.75	9.93	5.48	4.97	4.54	4.33
14	4.64	7.14	20.10	25.89	28.31	28.61	35.43	10.48	5.46	4.90	4.51	4.34
15	4.59	7.11	19.67	26.11	27.71	30.36	35.51	10.03	5.43	4.86	4.54	4.35
16	4.41	6.61	21.05	26.07	27.33	30.64	35.17	15.36	5.42	4.84	4.51	4.35
17	4.34	5.49	21.42	26.65	26.53	33.25	35.05	20.95	5.39	4.75	4.48	4.44
18	4.33	5.41	21.46	26.06	24.95	34.09	34.83	21.39	5.42	4.78	4.51	4.39
19	4.28	5.32	19.69	25.56	22.99	34.16	34.33	21.75	5.48	4.89	4.50	4.33
20	4.29	5.58	16.77	25.23	20.53	34.60	33.20	22.91	5.56	5.22	4.49	4.31
21	4.28	7.80	13.35	24.10	17.58	35.09	31.27	23.09	5.39	7.18	4.49	4.33
22	4.36	9.53	9.73	25.23	14.60	34.67	28.99	24.53	5.34	10.38	4.45	4.30
23	4.33	18.72	10.48	27.24	12.59	34.26	26.74	25.02	5.34	11.35	4.47	4.29
24	4.34	19.85	17.45	28.68	11.91	34.22	24.52	23.64	6.42	9.66	4.35	4.30
25	4.25	25.03	19.44	30.16	10.54	33.58	22.28	21.41	10.71	6.88	4.03	4.46
26	4.27	30.19	21.01	30.21	9.26	33.09	24.06	19.25	14.68	5.86	4.40	4.34
27	4.26	32.29	21.67	29.46	8.74	33.03	25.55	18.65	15.56	7.24	4.45	4.27
28	4.26	33.14	20.85	28.91	7.70	33.86	27.32	19.27	14.10	7.67	4.54	4.26
29	4.63	33.11	20.01	28.76	7.71	34.27	26.56	19.46	15.90	6.18	4.55	4.55
30	4.27	32.51	18.56	28.06	---	34.93	27.12	15.04	16.96	4.83	4.49	4.43
31	5.03	---	15.67	27.16	---	34.81	---	11.65	---	4.76	4.50	---
MEAN	6.32	12.19	19.42	22.01	20.03	25.38	29.91	18.73	7.75	7.92	4.61	4.38
MAX	19.35	33.14	31.48	30.21	28.92	35.09	35.51	27.02	16.96	20.25	5.76	4.55
MIN	4.25	4.14	8.03	10.54	7.70	7.80	22.28	9.36	5.34	4.75	4.03	4.26

WTR YR 1980 MEAN 14.87 MAX 35.51 MIN 4.03

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi (1.6 km) east of Monticello, 2.5 mi (4.0 km) upstream from Halls Creek, 4.1 mi (6.6 km) upstream from Silver Creek and at mile 190.8 (307.0 km).

DRAINAGE AREA.--4,993 mi² (12,930 km²).

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 6,727 ft³/s (191 m³/s), 18.30 in/yr (465 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s (3,460 m³/s) Apr. 20, 1979, gage height, 34.08 ft (10.388 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service, discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 79,800 ft³/s (2,260 m³/s) Mar. 31, gage height, 30.50 ft (9.296 m) from graph based on observer readings; minimum discharge, 593 ft³/s (16.8 m³/s) Sept. 17, gage height, 5.81 ft (1.771 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12000	1360	24900	9480	22200	4050	77300	19500	6190	5290	1260	806
2	11200	1440	25900	7800	21500	4580	72900	18200	4450	5870	1030	761
3	9480	1600	26800	5920	19500	5200	68500	18000	3180	6650	1050	721
4	7780	1710	27100	5530	17700	5060	60900	17700	2330	7140	1080	701
5	6190	1660	26500	6130	15700	4500	55000	17000	2120	6640	1060	686
6	4560	1520	25500	6260	13800	6520	50500	15600	2450	4630	1080	682
7	3130	1150	23900	5790	12300	8440	47100	13800	2340	2730	1250	674
8	2210	883	21800	5240	10700	9680	43600	11200	2000	2530	1090	663
9	1940	942	18300	5760	16500	10400	39800	8820	1710	2330	1010	659
10	1790	1950	13700	6230	27600	9720	35200	7860	1590	1640	997	655
11	1560	4140	7240	10700	30200	8930	33500	6750	1530	1300	937	651
12	1390	4230	4800	20100	28700	8310	44300	5140	1480	1230	910	636
13	1300	3020	9520	21900	26800	9040	62600	3950	1420	1160	901	614
14	1190	2150	19000	20900	25000	11400	72400	3670	1370	1070	942	603
15	1110	2030	21800	18900	23000	13100	73300	4060	1350	1030	951	600
16	1060	2140	21100	18100	21400	14600	74600	6740	1310	1030	901	596
17	1020	2060	18000	20800	20100	17600	69300	16400	1270	1050	871	600
18	955	1930	15800	21700	19100	22000	66000	19500	1230	1110	858	614
19	948	1550	13600	20700	18100	29900	60300	21700	1210	1050	845	614
20	909	1330	12000	18800	17100	46100	56500	22400	1210	1130	828	625
21	883	1270	10800	17400	15400	50500	53400	20000	1240	1340	802	622
22	896	1350	8990	16800	13100	57700	51100	19500	1260	1560	806	611
23	883	6600	7380	21500	10100	60900	47800	20200	1190	2960	773	614
24	857	13300	9260	24700	7790	61100	43500	19300	1190	4080	781	611
25	857	17400	12800	25300	6550	58400	37700	17400	1210	3830	765	603
26	857	21300	13600	25200	5760	53900	33000	15400	1450	3000	765	607
27	831	23100	13100	24800	5060	52100	36100	13000	3210	2200	745	611
28	766	23400	12600	24000	4600	61700	34000	10800	4670	1870	725	618
29	799	23800	11900	23000	4160	65700	28400	9600	4970	1990	737	663
30	1260	24000	11200	22300	---	79600	22800	8960	4860	2000	790	798
31	1250	---	10400	22400	---	79000	---	8240	---	1620	866	---
TOTAL	81861	194315	499290	504140	479520	929730	1551400	420390	66990	83060	28406	19519
MEAN	2641	6477	16110	16260	16540	29990	51710	13560	2233	2679	916	651
MAX	12000	24000	27100	25300	30200	79600	77300	22400	6190	7140	1260	806
MIN	766	883	4800	5240	4160	4050	22800	3670	1190	1030	725	596
CFSM	.53	1.30	3.23	3.26	3.31	6.01	10.4	2.72	.45	.54	.18	.13
IN.	.61	1.45	3.72	3.76	3.57	6.93	11.56	3.13	.50	.62	.21	.15

CAL YR 1979 TOTAL 5210486 MEAN 14280 MAX 121000 MIN 766 CFSM 2.86 IN 38.82
WTR YR 1980 TOTAL 4858621 MEAN 13270 MAX 79600 MIN 596 CFSM 2.66 IN 36.20

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.32	6.51	22.55	13.68	21.50	9.35	30.24	20.98	13.03	12.27	7.32	6.36
2	16.43	6.62	22.91	12.38	21.19	9.80	29.78	20.39	11.47	12.77	6.85	6.25
3	14.81	6.84	23.19	10.92	20.32	10.32	29.29	20.30	10.09	13.43	6.91	6.15
4	13.16	6.98	23.29	10.60	19.45	10.20	28.40	20.16	9.03	13.82	6.97	6.10
5	11.61	6.92	23.10	11.10	18.15	9.73	27.65	19.78	8.73	13.42	6.93	6.06
6	10.12	6.73	22.75	11.20	16.80	10.39	27.03	19.10	9.19	11.63	6.97	6.05
7	8.79	6.20	22.20	10.82	15.70	12.88	26.54	18.15	9.04	9.48	7.30	6.03
8	7.72	5.81	21.31	10.36	14.60	13.83	26.02	16.62	8.55	9.30	6.98	6.00
9	7.28	5.90	19.73	10.80	18.40	14.33	25.40	15.05	8.11	9.02	6.81	5.99
10	7.09	7.28	16.65	11.18	23.48	13.86	24.60	14.36	7.90	7.99	6.79	5.98
11	6.78	9.41	11.92	14.50	24.30	13.25	24.28	13.50	7.80	7.39	6.66	5.97
12	6.55	9.49	9.98	20.34	23.82	12.78	26.07	12.13	7.72	7.27	6.60	5.93
13	6.43	8.46	13.41	21.37	23.21	13.34	28.58	10.97	7.62	7.12	6.58	5.87
14	6.27	7.52	20.03	20.94	22.61	15.04	29.72	10.66	7.52	6.95	6.67	5.84
15	6.15	7.39	21.35	20.06	21.85	16.25	29.82	11.08	7.48	6.86	6.69	5.83
16	6.08	7.52	21.02	19.65	21.15	17.35	29.96	13.40	7.41	6.87	6.58	5.82
17	6.03	7.43	19.60	20.90	20.60	19.31	29.38	19.45	7.33	6.91	6.51	5.83
18	5.93	7.25	18.23	21.28	20.16	21.83	29.00	20.96	7.26	7.02	6.48	5.87
19	5.92	6.77	16.61	20.85	19.68	23.58	28.32	21.76	7.22	6.91	6.45	5.87
20	5.86	6.47	15.48	19.99	19.04	26.39	27.84	21.95	7.22	7.07	6.41	5.90
21	5.82	6.38	14.62	19.25	17.96	27.03	27.43	21.21	7.28	7.46	6.35	5.89
22	5.84	6.49	13.30	18.93	16.30	27.99	27.12	21.00	7.31	7.85	6.36	5.86
23	5.82	11.13	12.06	21.22	14.14	28.40	26.64	21.34	7.19	9.81	6.28	5.87
24	5.78	16.44	13.50	22.50	12.38	28.42	26.00	20.89	7.19	11.10	6.30	5.86
25	5.78	19.23	16.04	22.70	11.42	28.08	25.05	20.00	7.22	10.83	6.26	5.84
26	5.78	21.23	16.66	22.65	10.80	27.50	24.20	18.99	7.65	9.88	6.26	5.85
27	5.74	21.88	16.30	22.54	10.20	27.25	24.77	17.69	10.04	8.84	6.21	5.86
28	5.64	21.98	15.90	22.24	9.81	28.49	24.39	16.37	11.68	8.36	6.16	5.88
29	5.69	22.17	15.05	21.84	9.44	28.97	23.29	15.58	11.98	8.54	6.19	5.99
30	6.36	22.24	14.90	21.54	---	29.95	22.03	15.15	11.87	8.55	6.32	6.34
31	6.36	---	14.39	21.58	---	30.45	---	14.64	---	7.96	6.50	---
MEAN	7.77	10.42	17.69	17.74	17.88	19.56	26.96	17.54	8.64	9.12	6.60	5.96
MAX	17.32	22.24	23.29	22.70	24.30	30.45	30.24	21.95	13.03	13.82	7.32	6.36
MIN	5.64	5.81	9.98	10.36	9.44	9.35	22.03	10.66	7.19	6.86	6.16	5.82

WTR YR 1980 MEAN 13.81 MAX 30.45 MIN 5.64

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) north of Oak Vale, and 3.7 mi (6.0 km) upstream from mouth.

DRAINAGE AREA.--130 mi² (337 km²), revised.

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m), Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 201 ft³/s (5.692 m³/s), 21.00 in/yr (533 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s (719 m³/s) Apr. 13, 1974, gage height, 18.76 ft (5.718 m); minimum, 59 ft³/s (1.67 m³/s) Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark, discharge, 15,900 ft³/s (450 m³/s). Maximum stage known since at least 1879, 20½ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft (5.27 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (70.8 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 28	1030	8280	234	13.61	4.148	Apr. 12	1145	*14100	399	16.42	5.005
Mar. 30	1515	4390	124	10.23	3.118	May 17	1015	3030	85.8	8.87	2.704

Minimum discharge, 100 ft³/s (2.83 m³/s) Oct. 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	210	160	172	348	202	489	150	176	155	151	129
2	155	230	153	164	255	202	414	200	172	150	148	129
3	146	210	146	162	232	172	514	210	169	148	151	127
4	121	135	144	162	215	164	366	400	164	146	169	125
5	121	125	144	160	210	169	282	260	162	144	172	125
6	119	118	144	155	240	167	264	210	162	142	153	125
7	117	115	144	157	223	199	261	176	157	144	146	125
8	116	113	140	162	202	376	267	157	160	164	144	125
9	114	119	135	174	987	279	261	146	200	175	142	123
10	110	352	133	176	1790	221	258	137	185	164	140	123
11	109	460	133	549	963	199	900	135	170	158	140	125
12	108	276	135	838	387	191	10300	131	156	152	140	125
13	108	229	321	391	298	184	6280	131	152	149	140	125
14	106	181	632	261	258	176	3530	153	150	147	137	123
15	104	148	380	221	235	167	1460	301	149	148	135	123
16	107	135	255	285	223	167	696	1120	148	153	135	123
17	104	131	218	540	210	359	500	2490	147	155	135	125
18	106	127	191	477	197	637	370	1600	146	160	133	129
19	102	125	179	324	191	369	300	1070	148	157	133	129
20	102	123	174	258	189	395	350	805	155	194	131	151
21	100	121	167	226	184	701	280	567	160	270	131	142
22	100	125	169	338	181	510	200	527	154	204	129	135
23	112	181	255	747	176	288	186	877	156	221	127	131
24	108	295	563	497	172	270	178	632	168	191	125	129
25	104	387	514	298	167	252	170	352	180	176	125	127
26	106	536	298	338	160	232	168	270	210	167	125	129
27	103	298	240	359	157	1530	230	237	230	172	127	127
28	102	218	210	279	155	7250	195	212	210	202	125	127
29	102	186	197	243	155	4040	170	199	185	186	133	140
30	127	169	189	232	---	3860	154	191	162	162	131	223
31	153	---	181	373	---	1460	---	184	---	155	131	---
TOTAL	3549	6178	7044	9718	9360	25388	29993	14230	5043	5211	4284	3944
MEAN	114	206	227	313	323	819	1000	459	168	168	138	131
MAX	157	536	632	838	1790	7250	10300	2490	230	270	172	223
MIN	100	113	133	155	155	164	154	131	146	142	125	123
CFSM	.88	1.59	1.75	2.41	2.49	6.30	7.69	3.53	1.29	1.29	1.06	1.01
IN.	1.02	1.77	2.02	2.78	2.68	7.26	8.58	4.07	1.44	1.49	1.23	1.13

CAL YR 1979 TOTAL 96204 MEAN 264 MAX 3150 MIN 100 CFSM 2.03 IN 27.53
WTR YR 1980 TOTAL 123942 MEAN 339 MAX 10300 MIN 100 CFSM 2.61 IN 35.47

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi (2.4 km) southwest of Columbia, 2.0 mi (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi (3.5 km) upstream from Silver Creek and at mile 137.8 (221.7 km).

DRAINAGE AREA.--5,720 mi² (14,815 km²).

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft (35.299 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi (1.6 km) downstream at datum 0.37 ft (0.113 m) higher. May 26, 1934, to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft³/s (209 m³/s), 17.62 in/yr (448 mm/yr).

EXTREMES FOR PERIOD OF RECORD,--1928-1954: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Apr. 9, 1938, gage height, 26.40 ft (8.047 m); minimum, 705 ft³/s (20.0 m³/s) Oct. 21, 1952, gage height 0.81 ft (0.247 m). 1904 to current year: Maximum observed gage height, 27.8 ft (8.47 m) Apr. 22, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft (9.4 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 26.2 ft (7.99 m) Mar. 30, 31, minimum observed, 2.90 ft (0.884 m) Sept. 18, 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.50	5.00	16.50	11.00	16.90	6.70	26.10	18.00	11.20	8.60	5.30	3.70
2	13.30	4.90	16.70	10.50	16.70	6.60	26.10	16.80	10.10	8.90	4.70	3.60
3	12.80	4.80	17.00	9.60	16.50	6.80	25.80	16.00	8.80	9.40	4.40	3.40
4	11.70	4.80	17.20	8.50	16.00	7.10	25.40	15.60	7.60	9.90	4.10	3.20
5	10.40	4.90	17.50	8.00	15.30	7.20	24.80	15.30	6.70	10.30	4.20	3.20
6	9.40	4.90	17.50	8.20	14.40	6.80	24.00	15.00	6.20	10.20	4.20	3.10
7	8.30	4.80	17.40	8.40	13.20	7.90	23.60	14.50	6.40	9.00	4.00	3.10
8	7.30	4.20	17.10	8.10	12.20	10.40	22.90	13.80	6.40	7.40	4.20	3.10
9	6.20	3.80	16.60	8.00	11.80	10.60	22.40	12.70	6.00	6.60	4.20	3.10
10	5.70	3.80	15.70	8.20	15.20	10.70	21.70	11.20	5.60	6.60	3.90	3.00
11	5.50	5.50	13.80	9.10	17.60	10.30	20.90	10.40	5.40	5.70	3.80	3.00
12	5.20	7.00	10.00	11.70	19.20	9.80	20.70	9.80	5.20	5.00	3.80	3.20
13	4.90	7.10	7.80	14.40	19.40	9.50	23.70	8.60	5.10	4.90	3.60	3.20
14	4.80	6.30	10.50	15.60	19.00	9.60	25.50	8.40	5.50	4.60	3.50	3.20
15	4.60	5.30	14.40	16.20	18.30	10.90	25.80	8.20	5.20	4.20	3.50	3.00
16	4.50	4.90	15.80	16.00	17.50	11.70	25.60	9.00	5.10	4.00	3.70	3.00
17	4.50	4.90	16.10	15.40	16.80	12.60	25.50	15.20	4.90	4.00	3.60	3.00
18	4.40	5.10	15.50	15.80	16.10	14.80	25.40	17.60	4.90	4.20	3.50	2.90
19	4.30	5.00	14.30	16.60	15.70	16.10	25.20	17.80	4.80	4.30	3.40	3.00
20	4.20	4.70	13.00	16.50	15.30	17.30	24.50	18.30	4.80	4.20	3.40	3.10
21	4.00	4.40	11.90	16.20	14.70	19.00	24.00	18.10	4.70	4.60	3.30	3.10
22	4.00	4.30	11.30	15.80	14.00	21.00	23.60	17.60	4.80	5.10	3.20	3.00
23	3.90	4.30	10.40	15.90	12.70	22.90	23.30	17.50	4.80	5.20	3.20	3.00
24	4.00	7.60	10.10	16.10	11.00	24.10	22.80	17.20	5.20	6.60	3.20	3.00
25	4.00	12.00	11.00	16.90	9.40	24.50	22.20	16.90	5.10	7.70	3.10	3.00
26	4.00	14.20	12.30	17.50	8.40	24.10	21.90	16.10	4.90	7.80	3.20	3.20
27	3.90	15.40	12.80	17.80	7.80	24.00	20.70	15.50	4.80	7.10	3.10	3.00
28	3.90	16.10	12.50	17.70	7.30	24.60	19.80	14.10	6.40	6.80	3.10	2.90
29	3.90	16.30	12.00	17.50	6.90	25.60	19.70	13.00	8.20	5.80	3.10	3.00
30	3.90	16.40	11.80	17.10	---	26.20	19.20	12.10	8.70	5.70	3.20	3.40
31	4.50	---	11.40	16.90	---	26.20	---	11.60	---	5.70	3.50	---
MEAN	6.11	7.09	13.80	13.59	14.32	15.02	23.43	14.25	6.12	6.45	3.68	3.12
MAX	13.50	16.40	17.50	17.80	19.40	26.20	26.10	18.30	11.20	10.30	5.30	3.70
MIN	3.90	3.80	7.80	8.00	6.90	6.60	19.20	8.20	4.70	4.00	3.10	2.90

WTR YR 1980 MEAN 10.57 MAX 26.20 MIN 2.90

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperature for the 1980 water year are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 9,768 ft³/s (276.6 m³/s), 20.01 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, 1979, gage height, 23.23 ft (7.081 m); minimum 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963, minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107,000 ft³/s (3,020 m³/s) Mar. 31, gage height, 22.42 ft (6.834 m); minimum, 1,980 ft³/s (56.1 m³/s) Sept. 17, gage height, 8.03 ft (2.448 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18100	3000	29200	13200	35000	7350	94000	44000	14300	6900	4010	2670
2	17300	3370	30400	12200	34300	8110	89700	41900	13000	7050	3710	2590
3	16300	3170	30900	10900	33700	7320	89200	39600	11000	7400	3370	2450
4	14900	2960	32400	9640	32700	6860	85200	35600	8960	7980	3150	2350
5	12700	2880	33400	8150	31200	7040	78700	32400	7360	8810	3030	2320
6	10200	2900	34800	7220	29300	7150	71500	29600	6060	9340	2940	2270
7	8330	2900	35600	7330	25600	7090	65200	27400	5340	9150	2870	2240
8	6760	2850	36000	7470	20900	12900	61300	25600	5280	7990	2780	2240
9	5390	2710	35600	7670	17800	16600	60400	23100	5480	6090	2820	2200
10	4450	2630	34500	8980	19800	15400	55200	19400	5220	5080	2820	2150
11	3910	2810	31500	9600	25600	13800	51700	15400	4600	4570	2750	2090
12	3610	3640	22700	14400	31200	12500	50800	12900	4260	4010	2690	2080
13	3400	4620	13200	19600	35600	11400	54900	11200	4030	3520	2650	2110
14	3190	4880	12200	21700	39200	10500	66600	9460	3890	3250	2560	2120
15	3040	4290	16100	26700	40800	10700	80700	8110	3740	3110	2510	2060
16	2920	3650	20800	27800	40800	12400	84200	10400	3650	3000	2500	2000
17	2830	3330	24900	29200	40400	14700	80700	22000	3560	3020	2550	2010
18	2760	3290	27700	30200	37300	19700	78200	34600	3500	3000	2530	2040
19	2700	3280	28300	30900	34300	24600	77700	44200	3550	3060	2460	2090
20	2650	3210	25300	31700	31500	28000	74700	56500	3570	3370	2400	2110
21	2590	3050	19800	32000	29600	31300	68800	50300	3500	3850	2350	2090
22	2530	2850	16000	30900	28100	34600	56800	45400	3420	4240	2320	2100
23	2500	2820	13800	29600	24700	38800	59400	41000	3420	4600	2280	2070
24	2470	3210	12600	28900	19600	43700	56800	37100	3560	5070	2230	2030
25	2450	7320	12500	28900	15100	52600	55200	35400	3700	5400	2200	2010
26	2420	14400	13500	30700	11400	61100	60400	34100	3640	6000	2190	2170
27	2390	18700	14800	33000	9110	64200	62800	32400	3500	6020	2180	2250
28	2380	22300	15700	34800	7980	68100	54000	28700	3780	5900	2160	2140
29	2350	25600	15700	36000	7220	77200	48500	24000	4490	6140	2150	2050
30	2330	27700	14900	36000	---	99000	45400	19100	6060	4750	2210	2170
31	2450	---	14100	35600	---	104000	---	16000	---	4190	2290	---
TOTAL	172300	194320	718900	690960	789810	928720	2018700	906870	159420	165860	81660	65270
MEAN	5558	6477	23190	22290	27230	29960	67290	29250	5314	5350	2634	2176
MAX	18100	27700	36000	36000	40800	104000	94000	56500	14300	9340	4010	2670
MIN	2330	2630	12200	7220	7220	6860	45400	8110	3420	3000	2150	2000
CFSM	.84	.98	3.50	3.36	4.11	4.52	10.1	4.41	.80	.81	.40	.33
IN.	.97	1.09	4.03	3.88	4.43	5.21	11.33	5.09	.89	.93	.46	.37

CAL YR 1979 TOTAL 6986800 MEAN 19140 MAX 127000 MIN 2330 CFSM 2.89 IN 39.20
WTR YR 1980 TOTAL 6892790 MEAN 18830 MAX 104000 MIN 2000 CFSM 2.84 IN 38.67

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9.2 mi (14.8 km) northwest of Tylertown.

DRAINAGE AREA.--492 mi² (1,270 km²), revised.

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 805 ft³/s (22.80 m³/s), 22.22 in/yr (564 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi (0.3 km) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 11	2130	8210	232	17.21	5.246	Apr. 13	1800	24200	685	26.90	8.199
Mar. 28	1600	*26900	762	28.05	8.550	May 17	1530	9080	257	18.07	5.508
Mar. 30	0100	26500	750	28.14	8.577						

Minimum discharge, 278 ft³/s (7.87 m³/s) part of each day Oct. 14-22, 26-31, minimum gage height, 6.30 ft (1.920 m), Sept. 16 and 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	309	480	443	1380	578	4860	546	511	364	335	313
2	303	345	432	422	1010	623	2760	539	494	361	333	343
3	295	306	404	404	769	578	2760	792	481	361	335	330
4	293	290	384	390	662	522	2410	814	472	352	338	335
5	290	288	375	381	606	522	1610	616	463	346	333	318
6	288	285	369	375	599	518	1170	539	451	343	335	315
7	288	288	363	369	620	550	1050	504	442	364	328	325
8	285	288	354	372	599	846	1350	494	436	442	323	320
9	285	293	342	625	2920	1080	1550	475	430	472	318	323
10	283	408	339	630	6230	783	1240	466	428	460	315	310
11	283	552	336	2360	7230	630	930	448	422	379	315	303
12	283	422	333	3660	5380	567	11200	433	418	358	320	298
13	283	333	693	2710	2290	536	21800	427	415	349	328	295
14	280	303	2250	2420	1210	504	17000	424	412	340	325	295
15	278	293	2290	1120	970	478	7450	529	408	335	325	295
16	278	290	2320	1200	846	466	3740	4570	405	340	320	293
17	278	288	1210	3630	756	1250	1800	8240	402	338	330	295
18	278	288	715	3840	679	3020	1360	5680	400	343	315	300
19	278	293	572	3080	627	2370	1920	4480	398	352	313	318
20	280	295	504	2030	599	1490	1380	4120	406	338	310	318
21	280	295	460	1090	578	2850	1050	3240	394	349	308	303
22	280	309	453	930	557	2880	865	2410	394	373	310	298
23	283	657	580	2550	536	2330	760	1570	424	373	308	298
24	283	1430	1400	2740	515	1380	688	1310	472	391	298	310
25	283	2260	1980	2690	494	1480	654	960	433	388	295	303
26	280	3000	1620	1810	475	1230	1030	801	418	355	295	303
27	278	2440	905	1640	466	4130	819	697	400	397	298	298
28	278	2350	657	1290	460	22100	810	627	385	412	300	300
29	280	900	556	935	460	21900	630	585	376	370	315	300
30	280	572	500	774	---	20800	574	553	370	346	305	376
31	298	---	468	1160	---	8610	---	529	---	340	308	---
TOTAL	8818	20670	24644	48070	40523	107601	97220	48418	12760	11431	9834	9331
MEAN	284	689	795	1551	1397	3471	3241	1562	425	369	317	311
MAX	306	3000	2320	3840	7230	22100	21800	8240	511	472	338	376
MIN	278	285	333	369	460	466	574	424	370	335	295	293
CFSM	.58	1.40	1.62	3.15	2.84	7.06	6.59	3.18	.86	.75	.64	.63
IN.	.67	1.56	1.86	3.63	3.06	8.14	7.35	3.66	.96	.86	.74	.71

CAL YR 1979 TOTAL 352057 MEAN 965 MAX 10800 MIN 278 CFSM 1.96 IN 26.62
WTR YR 1980 TOTAL 439320 MEAN 1200 MAX 22100 MIN 278 CFSM 2.44 IN 33.22

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi (1.8 km) south of Florence Post Office, 1.7 mi (2.7 km) upstream from Cypress Creek, 2.7 mi (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi², approximately, (79,798 km²).

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft (122.261 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft (41.8 m) downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi (24.5 km) downstream.

REMARKS.--Water-discharge records good except those below 25,000 ft³/s (708 m³/s), which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--86 years, 52,030 ft³/s (1,473 m³/s), 22.93 in/yr (582 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s (15,000 m³/s) Mar. 17, 1973 gage height, 30.03 ft (9.153 m), maximum gage height, 32.5 ft (9.91 m) Mar. 19, 1897; minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records), minimum gage height, -0.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records, discharge 421,000 ft³/s (11,900 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 336,000 ft³/s (9.515 m³/s) Mar. 22, maximum gage height, 24.83 ft (7.568 m) Mar. 22; minimum daily, 18,300 ft³/s (518 m³/s) Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136000	62600	105000	52900	88800	41900	150000	45400	44700	42800	46500	24400
2	84400	72000	103000	53200	82900	42200	127000	54500	53900	32700	43000	31100
3	79700	84300	97200	63100	66600	47000	110000	48100	43400	30300	39600	35400
4	66300	87100	82400	60500	64300	59900	79000	34300	46000	32900	28200	38200
5	66800	86000	74300	66100	57500	49200	59000	39200	45200	36000	21500	34200
6	59500	77300	75100	60600	55900	69000	58900	39800	41900	29600	23400	30900
7	57600	83900	73900	62000	47500	70500	55600	39600	38000	40400	22100	30700
8	61400	88900	75200	60900	50800	108000	41200	46400	43400	47500	32700	37600
9	62500	95600	67300	67700	55500	107000	42100	42900	41200	37900	33000	44300
10	52800	106000	73900	80900	52000	123000	43500	32600	47900	40700	31400	34900
11	54300	121000	67900	80000	59100	134000	52200	35900	43200	36000	30400	30900
12	57500	132000	63900	77800	64100	141000	90300	34600	32700	35300	34700	30600
13	51200	122000	75500	71100	53900	133000	105000	35100	35200	36200	31000	26700
14	47400	122000	64600	73600	60000	109000	148000	35600	34900	43600	32400	20000
15	52600	111000	46300	67900	59000	93800	141000	34200	36900	45500	38100	36700
16	52900	102000	50700	65200	58500	96400	112000	37700	36400	40600	39100	38400
17	51100	99600	62900	69900	56800	144000	97200	110000	38000	36500	36400	35600
18	50100	97800	59000	81100	59700	159000	64000	138000	40900	36300	32500	31600
19	50800	90000	61000	86600	57100	156000	65300	103000	40300	36700	33400	27700
20	48000	82300	58100	103000	62100	183000	64300	78600	48700	38800	33800	26800
21	40600	80500	56000	92400	65800	283000	62200	78400	31500	42500	35100	27200
22	45500	86400	39600	99800	52000	315000	54300	80400	29900	37100	37100	28600
23	46700	74500	38600	110000	46500	321000	55100	93900	30600	34400	36400	30300
24	48500	84400	53700	111000	37400	299000	54900	91500	38300	26000	34800	27900
25	46900	106000	70100	116000	47700	248000	52300	83400	42900	29300	30900	29400
26	49800	106000	61100	126000	45900	202000	65400	72800	51300	36900	35400	25600
27	50000	112000	71600	122000	40900	178000	69100	66000	48400	37700	31800	23100
28	49800	115000	71900	102000	42600	206000	57500	60700	40500	36100	25000	18300
29	51600	108000	67400	85600	29100	212000	44800	48900	29400	36600	26700	35600
30	50400	107000	59300	87800	---	202000	49700	49000	36300	36200	24500	41200
31	59000	---	63400	82300	---	173000	---	50300	---	39200	22900	---
TOTAL	1781700	2903200	2089900	2539000	1620000	4705900	2270900	1840800	1211900	1148300	1003800	933900
MEAN	57470	96770	67420	81900	55860	151800	75700	59380	40400	37040	32380	31130
MAX	136000	132000	105000	126000	88800	321000	150000	138000	53900	47500	46500	44300
MIN	40600	62600	38600	52900	29100	41900	41200	32600	29400	26000	21500	18300
CFSM	1.87	3.14	2.19	2.66	1.81	4.93	2.46	1.93	1.31	1.20	1.05	1.01
IN.	2.15	3.51	2.52	3.07	1.96	5.68	2.74	2.22	1.46	1.39	1.21	1.13

CAL YR 1979 TOTAL 27285700 MEAN 74760 MAX 233000 MIN 33700 CFSM 2.43 IN 32.94
WTR YR 1980 TOTAL 24049300 MEAN 65710 MAX 321000 MIN 18300 CFSM 2.13 IN 29.04

03592000 BEAR CREEK NEAR RED BAY, AL

LOCATION.--Lat 34°26'38", long 88°06'56", in NE¼ sec.21, T.7 S., R.15 W., Franklin County, Hydrologic Unit 06030006, on left bank 185 ft (56 m) upstream from bridge on State Highway 24, 108 ft (73 m) shoreward from top of bank, 1.8 mi (2.9 km) east of Red Bay, and at mile 61.9 (99.6 km).

DRAINAGE AREA.--263 mi² (681 km²).

PERIOD OF RECORD.--August 1913 to May 1920, July 1958 to September 1967. October 1967 to September 1968 (annual maximum only). March 1969 to current year. Prior to October 1918 monthly discharge only, published in WSP 1306.

REVISED RECORDS.--WSP 1306: 1920(M). WSP 1726: 1920 (corrected monthly means).

GAGE.--Water-stage recorder. Datum of gage is 506.42 ft (154.357 m) above National Geodetic Vertical Datum, levels by Tennessee Valley Authority. August 1913 to May 1920, nonrecording gage at site 0.7 mi (1.1 km) upstream at various datums. July 1, 1958, to Oct. 27, 1959, nonrecording gage, Oct. 28, 1959, to Sept. 30, 1967, water-stage recorder at site 185 ft (56 m) downstream at present datum.

REMARKS.--Records good. Flow partially regulated by Bear Creek Dam 12.5 mi (20.1 km) upstream since Mar. 14, 1967.

AVERAGE DISCHARGE.--26 years (water years 1913-19, 1958-67, 1970-80), 498 ft³/s (14.10 m³/s), 25.71 in/yr (653 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,800 ft³/s (986 m³/s) Mar. 17, 1973, gage height, 17.62 ft (5.371 m); minimum daily discharge, 10 ft³/s (0.28 m³/s) Aug. 15-17, Sept. 17, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,900 ft³/s (82.1 m³/s) Jan. 7, gage height 12.59 ft (4.142 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum daily discharge, 21 ft³/s (0.59 m³/s) Aug. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	293	261	1550	612	727	232	1600	1480	1460	549	84	33
2	280	635	1460	337	725	229	1470	1440	1400	251	79	32
3	253	1570	1350	455	719	228	1840	1390	956	225	42	114
4	206	1500	1030	381	714	234	1800	1290	350	96	39	100
5	293	1180	630	948	617	296	1770	749	251	86	38	93
6	288	634	974	1190	473	447	1740	198	109	85	37	79
7	283	619	1020	1200	572	755	1710	460	304	84	37	73
8	268	610	965	1190	430	1130	1680	392	302	94	58	71
9	92	748	823	1090	592	1570	1640	320	278	146	60	38
10	45	1090	699	1100	835	1670	1590	316	194	87	60	34
11	35	1610	254	294	1270	1900	1620	313	55	80	59	34
12	92	1820	354	435	913	2000	1030	241	48	78	58	34
13	190	1750	333	420	830	1900	948	112	45	78	58	34
14	148	1680	212	409	725	1830	1440	245	43	73	58	34
15	132	1600	207	341	641	1780	1960	176	44	39	21	34
16	64	1430	205	222	460	1900	1910	214	44	33	109	34
17	62	1180	212	236	452	1870	1900	559	65	33	60	34
18	61	1120	232	394	452	1840	1870	971	100	34	65	35
19	73	775	173	590	577	1810	1830	1800	216	33	58	34
20	133	285	125	498	731	1780	1800	1790	94	33	54	34
21	122	709	132	296	633	1740	1760	1680	84	34	53	34
22	78	349	179	492	437	1700	1720	1510	84	83	38	34
23	82	581	193	1040	430	1660	1690	1430	164	232	32	34
24	230	856	435	1360	425	1620	1640	1780	389	361	32	38
25	144	1240	498	1310	430	3400	1610	1760	641	90	31	39
26	129	773	612	1070	427	2530	1310	1730	455	86	30	71
27	74	1840	861	733	381	2140	1170	1690	165	102	30	259
28	74	1800	741	727	270	3960	1450	1660	164	119	35	270
29	203	1720	570	718	232	3010	1570	1610	188	215	51	269
30	346	1640	570	710	---	2770	1520	1560	344	151	36	506
31	174	---	646	590	---	2220	---	1510	---	86	33	---
TOTAL	4947	33605	18245	21388	17120	52151	48588	32376	9036	3776	1535	2562
MEAN	160	1120	589	690	590	1682	1620	1044	301	122	49.5	85.4
MAX	346	1840	1550	1360	1270	3960	1960	1800	1460	549	109	506
MIN	35	261	125	222	232	228	948	112	43	33	21	32
CFSM	.61	4.26	2.24	2.62	2.24	6.40	6.16	3.97	1.14	.46	.19	.33
IN.	.70	4.75	2.58	3.03	2.42	7.38	6.87	4.58	1.28	.53	.22	.36

CAL YR 1979 TOTAL 240839 MEAN 659 MAX 2170 MIN 19 CFSM 2.51 IN 34.01
WTR YR 1980 TOTAL 245329 MEAN 670 MAX 3960 MIN 21 CFSM 2.55 IN 34.70

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near left bank at bridge on county road 0.2 mi (0.3 km) northeast of Walkers Siding and 2.0 mi (3.2 km) east of Burnsville.

DRAINAGE AREA.--24.7 mi^2 (64.0 km^2), Tennessee Valley Authority.

PERIOD OF RECORD.--May 1973 to current year.

REVISED RECORDS.--WDR MS-78-1. 1973 (M), 1976(M).

GAGE.--Water-stage recorder. Altitude of gage is 440 ft or 134 m (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 49.7 ft^3/s (1.407 m^3/s), 27.32 in/yr (694 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,310 ft^3/s (93.7 m^3/s) May 8, 1978, gage height, 19.19 ft (5.849 m); minimum, 2.8 ft^3/s (0.079 m^3/s) Aug. 25, 1977, gage height, 6.04 ft (1.841 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft^3/s (90.1 m^3/s), gage height, 19.12 ft (5.828 m) was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft^3/s (19.8 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 23	1615	833	23.6	17.32	5.279	Mar. 17	1345	*2160	61.2	18.60	5.669
Nov. 25	1545	1140	32.3	17.93	5.465	Mar. 20	2200	2130	60.3	18.58	5.663
Dec. 24	0830	1120	31.7	17.92	5.462	Mar. 28	0645	1000	28.3	17.79	5.422

Minimum discharge, 4.2 ft^3/s (0.12 m^3/s) July 17, gage height, 6.76 ft (2.060 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	34	38	34	42	24	54	28	12	9.3	4.8	8.4
2	12	22	34	31	42	24	47	26	11	6.9	4.6	7.9
3	12	17	31	32	38	26	44	24	9.5	5.9	11	6.5
4	15	16	31	61	35	31	40	22	9.0	5.3	12	5.8
5	13	16	30	36	35	59	47	21	8.6	4.8	7.2	7.7
6	12	16	29	31	39	32	34	20	8.6	4.8	6.4	16
7	11	16	27	53	32	328	32	19	7.7	4.7	5.9	7.6
8	11	16	24	44	45	251	36	21	7.5	4.7	5.8	6.8
9	11	85	23	34	115	71	30	17	7.3	4.7	7.9	5.7
10	15	94	24	31	73	52	27	16	7.3	4.7	5.8	5.1
11	13	36	24	96	58	40	31	15	7.0	4.7	5.4	5.1
12	12	26	46	57	52	73	223	16	6.8	4.8	5.5	5.1
13	11	23	116	45	43	55	318	16	6.8	4.7	5.6	5.2
14	10	21	47	39	41	39	286	15	6.6	4.7	5.7	5.4
15	10	20	34	35	51	35	88	14	6.2	4.7	8.4	5.1
16	10	20	30	34	58	153	61	61	7.4	4.5	8.2	5.2
17	10	20	24	42	38	1550	50	152	11	4.4	6.7	6.3
18	10	19	23	99	34	540	70	72	8.7	4.5	6.3	6.8
19	11	18	23	52	50	143	51	32	7.9	4.5	6.2	6.3
20	11	17	23	40	52	997	42	66	7.5	4.5	6.3	6.1
21	11	18	21	38	37	974	38	31	7.0	5.0	6.1	6.6
22	12	32	22	125	34	296	35	41	6.6	14	5.8	6.3
23	15	624	489	100	30	78	32	45	8.3	15	5.8	6.1
24	12	418	875	63	27	218	30	27	35	7.6	5.9	9.9
25	12	647	441	51	25	88	31	22	11	7.1	6.0	19
26	12	527	83	45	23	68	60	19	7.4	8.5	6.0	12
27	12	105	57	39	24	69	36	16	6.4	7.7	6.4	7.0
28	15	70	45	35	24	773	33	14	5.8	7.0	6.8	19
29	47	51	40	33	23	379	42	13	38	5.4	13	33
30	21	42	46	67	---	97	32	15	30	5.2	9.9	25
31	19	---	38	69	---	66	---	13	---	5.0	9.1	---
TOTAL	421	3086	2838	1591	1220	7629	1980	929	319.9	189.3	216.5	278.0
MEAN	13.6	103	91.5	51.3	42.1	246	66.0	30.0	10.7	6.11	6.98	9.27
MAX	47	647	875	125	115	1550	318	152	38	15	13	33
MIN	10	16	21	31	23	24	27	13	5.8	4.4	4.6	5.1
CFSM	.55	4.17	3.70	2.08	1.70	9.96	2.67	1.22	.43	.25	.28	.38
IN.	.63	4.65	4.27	2.40	1.84	11.49	2.98	1.40	.48	.29	.33	.42

CAL YR 1979 TOTAL 24458.0 MEAN 67.0 MAX 1540 MIN 5.2 CFSM 2.71 IN 36.83
WTR YR 1980 TOTAL 20697.7 MEAN 56.6 MAX 1550 MIN 4.4 CFSM 2.29 IN 31.17

03592810 YELLOW CREEK DIVERSION DITCH NEAR DOSKIE, MS

LOCATION.--Lat 34°54'43", long 88°16'26", in NW¼ sec.17, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on left bank 1.3 mi (2.09 km) downstream from discontinued Station 03592800 Yellow Creek near Doskie, MS and 1.3 mi (2.09 km) east of Doskie.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1979 to July 1980 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 410 ft (125 m) from topographic map.

REMARKS.--Records good below 400 ft^3/s (11 m^3/s) and fair above.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s (167.4 m^3/s) Mar. 21, 1980, gage height 14.91 ft (4.545 m), from floodmark; minimum, 31 ft^3/s (0.88 m^3/s) Aug. 19, 20, 21, 1979, gage height, 3.26 ft (0.994 m).

EXTREMES FOR CURRENT PERIOD.--June to September 1979: Maximum discharge during period, 2,750 ft^3/s (77.9 m^3/s) Sept. 14, gage height, 10.66 ft (3.249 m); minimum, 31 ft^3/s (0.88 m^3/s) Aug. 19, 20, 21, gage height, 3.26 ft (0.994 m).

October 1979 to July 1980: Maximum discharge during period, 5,910 ft^3/s (167.4 m^3/s) Mar. 21, gage height, 14.91 ft (4.545 m), from floodmark; minimum, 32 ft^3/s (0.91 m^3/s) July 15, 16, gage height 3.56 ft (1.085 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									236	81	42	436
2									201	67	44	581
3									466	61	64	169
4									239	55	49	160
5									191	48	44	95
6									184	45	40	71
7									157	47	38	60
8									120	93	36	51
9									96	206	52	44
10									89	160	45	43
11									85	92	48	41
12									68	1820	72	39
13									62	533	44	977
14									57	221	38	2550
15									52	153	54	751
16									49	121	44	246
17									51	89	34	166
18									49	71	33	155
19									47	76	33	151
20									45	88	32	159
21									610	135	34	1630
22									264	91	46	827
23									110	69	41	375
24									353	75	41	235
25									204	81	74	180
26									111	71	120	141
27									90	66	145	130
28									76	57	79	118
29									69	57	87	106
30									136	53	57	90
31									---	43	78	---
TOTAL	---	---	---	---	---	---	---	---	4567	4925	1688	10777
MEAN	---	---	---	---	---	---	---	---	152	159	54.5	359
MAX	---	---	---	---	---	---	---	---	610	1820	145	2550
MIN	---	---	---	---	---	---	---	---	45	43	32	39

03592810 YELLOW CREEK DIVERSION DITCH NEAR DOSKIE, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	303	253	230	227	123	470	174	90	102		
2	72	189	212	205	176	120	410	159	79	77		
3	67	122	188	191	186	126	368	150	73	66		
4	85	98	179	344	181	148	329	132	70	60		
5	85	89	174	226	174	310	276	128	66	55		
6	70	84	169	195	189	189	259	123	64	52		
7	62	81	152	268	164	909	254	111	60	50		
8	58	79	131	257	187	1300	308	145	66	50		
9	55	218	122	201	545	573	240	108	60	46		
10	89	629	121	181	364	392	207	100	58	44		
11	78	350	120	505	280	288	218	97	64	41		
12	67	217	197	364	246	447	479	99	56	39		
13	57	169	697	269	207	395	1190	108	54	37		
14	52	140	358	234	198	274	1430	97	52	37		
15	54	124	249	207	208	227	743	92	48	36		
16	56	116	217	199	277	440	521	276	70	38		
17	53	109	172	239	188	2300	413	560	150	39		
18	53	103	155	495	164	3600	623	515	83	39		
19	53	99	152	316	217	1500	488	274	73	39		
20	52	97	149	244	320	1600	386	500	69	38		
21	50	94	140	214	230	4300	326	240	67	41		
22	70	106	141	632	203	2000	303	229	62	117		
23	106	1220	1320	645	176	880	279	320	191	145		
24	70	2140	957	375	152	1150	218	202	774	79		
25	63	1400	1990	300	141	725	245	157	194	64		
26	60	2390	791	254	123	542	389	128	102	79		
27	58	971	443	226	126	467	245	108	83	69		
28	92	542	336	196	131	1500	215	97	73	65		
29	214	374	291	184	124	1700	248	92	194	56		
30	168	294	298	304	---	578	202	143	237	53		
31	149	---	255	408	---	560	---	106	---	51		
TOTAL	2399	12947	11129	9108	6104	29663	12282	5770	3382	1804		
MEAN	77.4	432	359	294	210	957	409	186	113	58.2		
MAX	214	2390	1990	645	545	4300	1430	560	774	145		
MIN	50	79	120	181	123	120	202	92	48	36		

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads. Water-quality monitor intake at south bank of canal 400 ft (120 m) east of bridge.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1980 to current year.
pH: April 1980 to current year.
WATER TEMPERATURE: April 1980 to current year.
TURBIDITY: April 1980 to current year.
DISSOLVED OXYGEN: April 1980 to current year.

INSTRUMENTATION.--Water-quality monitor since April 1980.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 93 micromhos July 23, Sept. 24; minimum, 34 micromhos Apr. 1.
pH: Maximum, 7.7 units Aug. 20; minimum, 5.4 units Apr. 15, 16.
WATER TEMPERATURE: Maximum, 33.0°C July 15.
TURBIDITY: Maximum, 550 NTU June 17, Aug. 29; minimum, 22 NTU July 16.
DISSOLVED OXYGEN: Maximum, 10.1 mg/L Apr. 15-17; minimum, 2.1 mg/L July 22.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	POTASSIUM, DISSOLVED (MG/L AS K)
JUL												
09...	1300	75	6.8	30.5	50	28	5.1	9	K20	2.2	0	1.5

DATE	ALKALINITY (MG/L AS CACO3)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)
JUL												
09...	18	.1	8.0	66	.09	.20	.040	.05	.18	.22	.42	1.9

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	PHENOLS (UG/L)	SEDIMENT, SUSPENDED (MG/L)
JUL												
09...	.050	.15	.000	2400	2200	190	200	110	90	.1	4	29

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
JUL 09...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
JUL 09...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 09...	.00	.00	.00	0	.00	.00	.00	.00	.00

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							36	34	35	48	43	46
2							39	35	37	51	47	49
3							40	36	38	53	45	50
4							40	37	38	55	40	49
5							44	39	40	51	45	48
6							44	38	41	---	---	---
7							44	38	41	---	---	---
8							44	40	42	---	---	---
9							45	42	43	---	---	---
10							44	42	43	---	---	---
11							45	41	43	---	---	---
12							44	41	43	---	---	---
13							49	44	45	---	---	---
14							46	40	42	---	---	---
15							41	38	39	---	---	---
16							40	37	38	---	---	---
17							42	37	40	---	---	---
18							43	38	41	---	---	---
19							46	38	42	---	---	---
20							47	41	43	---	---	---
21							50	41	45	---	---	---
22							53	42	47	---	---	---
23							55	40	46	---	---	---
24							48	40	43	---	---	---
25							49	42	44	---	---	---
26							45	41	42	---	---	---
27							47	41	43	---	---	---
28							49	42	46	---	---	---
29							47	43	45	---	---	---
30							47	43	43	---	---	---
31							---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	76	66	71	82	79	80	78	75	76
2	66	57	61	80	65	74	---	---	---	77	75	76
3	70	59	65	85	70	76	---	---	---	78	76	77
4	74	68	71	83	70	75	---	---	---	78	73	75
5	74	67	70	82	69	73	---	---	---	78	75	76
6	76	66	71	79	70	74	---	---	---	82	74	77
7	76	65	70	78	71	73	---	---	---	82	76	79
8	83	71	76	80	71	76	---	---	---	82	77	79
9	82	68	72	77	74	75	80	78	79	79	76	78
10	72	65	68	80	74	76	81	76	79	82	77	80
11	74	68	71	81	73	76	80	75	77	81	79	80
12	73	70	72	79	75	76	78	73	76	82	79	80
13	75	70	73	81	75	77	77	74	75	83	79	81
14	83	71	75	83	75	78	78	75	77	83	80	81
15	76	70	73	83	77	79	85	76	79	85	81	83
16	76	74	75	82	78	79	84	78	80	86	81	84
17	78	76	77	84	71	79	80	77	79	86	81	84
18	81	67	73	84	80	82	81	76	78	87	84	86
19	81	73	77	87	79	83	81	76	77	87	85	86
20	83	69	77	86	75	82	78	73	76	89	86	87
21	80	76	78	84	81	82	78	75	76	89	86	88
22	81	76	78	86	79	82	---	---	---	90	86	88
23	81	67	78	93	77	84	77	76	76	91	86	87
24	78	61	67	88	80	82	79	77	78	93	87	89
25	70	59	64	88	77	82	79	76	78	90	86	88
26	73	60	67	85	77	80	81	78	79	87	75	79
27	75	66	71	81	76	79	79	77	78	76	75	76
28	78	71	75	82	76	79	---	---	---	76	61	74
29	81	71	76	83	77	80	80	76	78	72	48	60
30	74	66	69	83	78	80	80	73	77	66	51	58
31	---	---	---	82	79	81	76	73	75	---	---	---

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.6	5.5	6.0	5.7	---	---	6.0	5.9	7.1	6.9	7.2	6.9
2	5.7	5.5	6.0	5.9	6.4	6.0	6.0	5.9	---	---	7.2	6.9
3	5.7	5.6	6.0	5.9	6.5	6.0	6.1	5.9	---	---	7.0	6.9
4	5.8	5.7	6.1	5.8	6.3	6.1	6.4	6.0	---	---	7.0	6.9
5	5.9	5.6	6.0	5.8	6.2	6.0	6.4	6.0	---	---	7.1	6.9
6	6.0	5.7	6.3	5.8	6.4	6.1	6.3	6.0	---	---	7.1	6.9
7	6.0	5.7	6.2	5.8	6.6	6.0	6.4	6.1	---	---	6.9	6.8
8	6.2	5.8	6.0	5.9	6.4	6.1	6.3	6.2	7.2	6.9	6.9	6.8
9	6.2	5.9	---	---	6.5	6.1	6.3	6.2	7.4	6.9	7.2	6.8
10	6.1	6.0	---	---	6.6	6.1	6.9	6.1	7.3	6.9	7.0	6.8
11	6.1	5.9	---	---	6.7	6.1	6.8	6.1	7.4	6.9	7.0	6.9
12	6.0	5.7	---	---	6.7	6.2	6.5	6.2	7.5	6.9	7.0	6.9
13	5.8	5.7	---	---	6.6	6.2	6.8	6.2	7.4	6.9	7.2	6.9
14	5.7	5.5	---	---	7.1	6.2	7.0	6.3	7.3	6.9	7.1	6.9
15	5.5	5.4	---	---	6.7	6.2	7.2	6.9	7.5	6.9	7.2	6.9
16	5.6	5.4	---	---	6.6	6.3	7.1	6.8	7.5	6.8	7.3	7.0
17	5.6	5.5	---	---	6.5	6.2	7.3	6.0	7.5	6.8	7.1	7.0
18	5.7	5.5	---	---	6.4	6.2	7.4	6.9	7.3	6.9	7.2	7.0
19	5.8	5.6	---	---	6.4	6.2	7.5	6.9	7.4	6.9	7.1	7.0
20	5.9	5.6	---	---	6.4	6.1	7.5	6.9	7.7	6.9	7.2	6.9
21	6.0	5.7	---	---	6.6	6.2	7.6	6.8	7.6	6.9	7.2	6.9
22	6.0	5.8	---	---	6.5	6.3	7.2	6.8	7.0	6.0	7.1	7.0
23	6.0	5.7	---	---	6.8	6.2	6.9	6.7	7.4	6.0	7.1	7.0
24	6.0	5.7	---	---	6.5	5.9	7.1	6.8	7.5	7.1	7.1	7.0
25	5.9	5.7	---	---	6.0	5.9	7.0	6.0	7.5	7.1	7.1	6.8
26	6.0	5.7	---	---	6.1	5.8	7.0	6.8	7.4	6.9	7.0	6.9
27	6.1	5.7	---	---	6.1	5.9	7.4	6.7	7.2	7.0	7.0	6.9
28	6.0	5.7	---	---	6.1	5.9	7.1	6.8	---	---	7.0	6.9
29	6.0	5.7	---	---	6.2	5.9	7.1	6.8	7.2	7.0	7.0	6.8
30	5.9	5.7	---	---	6.0	5.9	7.3	6.8	7.3	6.9	7.0	6.7
31	---	---	---	---	---	---	7.1	6.8	7.3	6.9	---	---

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							13.0	13.0	13.0	17.0	16.0	16.0
2							14.0	13.0	13.0	17.0	16.0	16.5
3							15.5	13.0	14.0	18.0	16.0	17.0
4							15.5	14.0	15.0	19.0	16.0	17.0
5							14.5	13.5	14.0	18.0	16.5	17.5
6							15.0	14.0	14.5	21.0	17.0	18.5
7							15.0	14.0	14.5	20.5	17.0	19.0
8							16.5	14.0	16.0	20.0	18.0	19.0
9							16.5	15.5	16.0	19.5	18.0	18.5
10							16.5	15.5	16.5	---	---	---
11							16.5	15.5	16.0	---	---	---
12							15.5	14.5	15.0	---	---	---
13							14.5	12.5	13.5	---	---	---
14							12.5	10.5	11.5	---	---	---
15							11.0	10.5	10.5	---	---	---
16							12.0	10.5	11.0	---	---	---
17							11.0	11.0	11.0	---	---	---
18							14.5	11.5	12.5	---	---	---
19							14.5	12.5	13.5	---	---	---
20							14.5	13.0	14.0	---	---	---
21							15.5	13.5	14.5	---	---	---
22							17.0	13.5	15.0	---	---	---
23							17.5	14.0	15.5	---	---	---
24							20.5	15.5	18.5	---	---	---
25							18.5	14.5	17.0	---	---	---
26							19.0	17.0	18.0	---	---	---
27							18.5	16.0	17.5	---	---	---
28							17.0	15.5	16.5	---	---	---
29							17.0	15.5	16.0	---	---	---
30							17.0	15.0	16.0	---	---	---
31							---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	25.5	24.5	25.0	30.0	29.0	29.5	29.5	27.5	28.5
2	24.5	21.5	22.5	26.0	24.5	25.5	30.0	28.5	29.5	30.0	28.0	28.5
3	25.5	21.5	23.5	27.5	25.0	26.0	---	---	---	28.0	27.5	28.0
4	24.5	22.5	23.5	29.0	25.5	26.5	---	---	---	28.5	28.0	28.0
5	24.5	22.0	24.0	30.0	26.5	28.0	---	---	---	28.5	28.0	28.0
6	27.0	23.0	24.5	29.5	27.0	28.0	---	---	---	28.5	28.0	28.5
7	28.0	23.5	25.5	29.5	27.5	29.0	---	---	---	29.0	28.0	28.5
8	26.5	24.0	25.0	29.5	28.5	29.0	---	---	---	29.0	28.0	28.5
9	25.5	23.0	25.0	29.5	28.5	29.0	31.0	28.5	29.5	29.0	28.0	28.5
10	25.0	23.5	24.5	32.0	28.5	29.5	31.0	29.0	30.0	29.0	28.0	28.5
11	25.5	23.5	24.5	31.5	29.0	30.0	31.5	29.5	30.5	28.5	27.5	28.0
12	25.0	23.5	24.5	31.5	29.5	30.0	31.5	29.5	30.5	28.0	27.5	27.5
13	25.0	24.0	24.5	32.0	30.0	31.0	31.5	30.0	30.0	29.0	27.0	28.0
14	27.0	24.0	25.0	31.5	29.5	31.0	31.0	30.0	30.0	28.5	27.5	27.5
15	26.5	24.0	25.5	33.0	30.5	31.5	31.5	30.0	30.5	28.0	27.5	27.5
16	26.5	25.0	26.0	32.0	31.0	31.5	31.5	30.0	30.5	28.5	27.5	28.0
17	25.5	24.5	25.0	32.5	31.0	31.5	32.0	30.0	31.0	27.5	27.0	27.0
18	25.5	24.5	25.0	32.5	31.5	32.0	31.5	30.0	31.0	27.0	26.5	26.5
19	25.5	24.5	25.0	32.5	31.5	32.0	32.0	30.5	30.5	26.5	26.0	26.5
20	26.0	24.5	25.0	32.5	30.5	31.5	32.5	30.5	31.5	27.0	26.0	26.5
21	26.0	24.5	25.5	31.5	30.0	31.0	32.5	30.5	31.0	27.5	26.0	27.0
22	26.0	25.0	25.5	30.0	28.0	29.5	---	---	---	28.0	27.0	27.5
23	26.5	24.5	25.5	29.0	27.5	28.0	31.0	29.5	30.0	27.5	27.0	27.5
24	25.5	23.5	24.0	28.0	27.0	27.5	30.5	29.0	29.5	27.0	26.5	27.0
25	24.0	23.5	24.0	28.5	27.5	28.0	30.0	29.0	29.5	26.5	26.0	26.5
26	24.5	23.5	24.0	28.5	28.0	28.0	30.0	29.0	29.0	26.0	25.0	25.5
27	25.0	24.0	24.5	29.5	27.5	28.5	29.5	29.0	29.0	24.5	24.0	24.0
28	26.0	24.0	24.5	29.0	27.5	28.0	28.5	28.0	28.0	24.0	22.5	23.5
29	26.0	24.5	25.5	28.5	28.0	28.0	28.0	27.5	28.0	22.5	21.0	21.5
30	25.5	24.5	24.5	30.0	28.5	28.5	28.5	27.5	28.0	21.5	20.5	21.0
31	---	---	---	30.0	28.5	29.0	29.0	27.5	28.0	---	---	---

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1												
2							100	55	95	70	55	65
3							100	80	90	65	55	60
4							90	80	85	60	55	55
5							85	80	80	65	50	55
6							90	75	80	60	50	55
7							85	75	80	65	45	55
8							80	70	75	65	45	55
9							100	70	80	65	55	60
10							90	80	85	---	---	---
11							85	75	80	---	---	---
12							80	60	70	---	---	---
13							110	70	100	---	---	---
14							160	110	120	---	---	---
15							150	130	140	---	---	---
16							140	110	130	---	---	---
17							120	100	110	---	---	---
18							110	95	100	---	---	---
19							110	95	100	---	---	---
20							100	85	95	---	---	---
21							90	80	85	---	---	---
22							85	75	80	---	---	---
23							80	70	75	---	---	---
24							85	65	75	---	---	---
25							110	60	75	---	---	---
26							100	80	85	---	---	---
27							130	85	110	---	---	---
28							110	80	90	---	---	---
29							85	80	80	---	---	---
30							75	70	75	---	---	---
31							75	70	70	---	---	---
							---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	210	140	180	---	---	---	95	70	80
2	55	25	50	180	130	150	---	---	---	90	75	80
3	50	38	45	150	95	120	---	---	---	85	70	80
4	45	36	40	130	80	110	33	26	29	85	65	75
5	40	31	37	120	85	100	90	26	39	70	60	65
6	45	30	38	110	80	95	100	37	65	70	55	60
7	39	27	33	90	75	85	70	45	55	75	55	65
8	45	31	39	80	70	75	55	37	40	75	60	65
9	55	35	40	80	60	70	45	37	40	85	45	65
10	50	40	45	70	50	60	45	34	39	85	55	70
11	45	33	38	65	45	55	40	24	37	80	50	65
12	45	33	40	55	50	50	45	31	37	120	60	75
13	50	31	45	55	45	50	40	29	35	130	80	100
14	55	30	40	65	45	50	40	31	35	130	85	100
15	40	33	36	50	34	40	39	28	33	100	85	95
16	55	36	40	75	22	50	55	27	34	95	80	85
17	550	45	150	190	31	110	55	27	37	90	80	85
18	70	40	60	120	50	85	80	30	45	90	80	85
19	60	45	55	65	37	55	90	40	60	130	85	100
20	60	45	50	65	29	50	90	40	60	160	95	110
21	60	45	50	60	39	50	100	60	75	140	95	110
22	60	45	55	70	40	50	120	65	85	110	95	100
23	85	40	55	75	45	65	90	70	75	110	100	100
24	300	55	210	75	50	60	90	70	75	120	95	110
25	280	210	230	---	---	---	---	---	---	130	95	100
26	220	130	190	---	---	---	---	---	---	160	95	140
27	180	120	150	---	---	---	---	---	---	180	150	170
28	150	100	130	---	---	---	---	---	---	180	160	170
29	230	100	130	---	---	---	550	60	170	190	150	160
30	230	180	200	---	---	---	110	65	90	140	120	130
31	---	---	---	---	---	---	100	75	90	---	---	---

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							8.5	8.4	8.4	9.1	7.6	8.4
2							8.7	8.5	8.6	8.7	8.2	8.5
3							8.8	8.5	8.7	8.7	7.9	8.3
4							8.9	8.6	8.8	8.7	7.7	8.1
5							8.8	8.6	8.7	8.6	7.6	8.1
6							8.8	8.5	8.7	8.9	7.2	8.2
7							8.9	8.4	8.7	8.5	7.0	7.9
8							8.7	8.6	8.7	8.4	7.8	8.1
9							9.0	8.4	8.7	---	---	---
10							9.1	8.7	8.8	---	---	---
11							9.0	8.6	8.9	---	---	---
12							9.0	8.8	8.9	---	---	---
13							9.4	9.0	9.2	---	---	---
14							9.7	9.4	9.6	---	---	---
15							10.1	9.8	10.0	---	---	---
16							10.1	9.8	10.0	---	---	---
17							10.1	8.8	8.9	---	---	---
18							9.6	9.1	9.4	---	---	---
19							9.3	8.9	9.1	---	---	---
20							9.1	8.6	8.8	---	---	---
21							8.7	8.2	8.5	---	---	---
22							8.5	8.0	8.3	---	---	---
23							8.5	7.8	8.1	---	---	---
24							8.9	7.8	8.2	---	---	---
25							8.4	7.9	8.1	---	---	---
26							8.5	8.0	8.2	---	---	---
27							8.8	8.3	8.7	---	---	---
28							8.9	8.3	8.7	---	---	---
29							9.1	8.7	8.9	---	---	---
30							9.2	8.8	9.0	---	---	---
31							---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	5.4	3.9	4.5	7.1	2.8	4.9	6.7	5.2	6.0
2	6.4	4.7	5.1	4.9	3.5	4.0	---	---	---	7.0	5.4	6.0
3	7.0	4.1	5.0	5.4	3.1	4.1	---	---	---	6.1	5.6	5.8
4	5.0	3.7	4.3	6.6	3.2	4.4	---	---	---	6.0	5.1	5.7
5	4.8	3.8	4.3	6.5	3.7	5.0	---	---	---	6.2	4.9	5.5
6	6.0	3.4	4.2	6.0	3.9	4.7	---	---	---	5.9	4.8	5.3
7	6.9	3.3	4.7	5.6	4.1	4.9	---	---	---	5.7	4.6	5.1
8	5.7	3.3	3.9	5.4	4.0	4.6	---	---	---	5.5	4.4	5.1
9	6.5	2.6	5.1	4.8	4.2	4.5	7.1	5.2	5.7	5.9	4.2	5.0
10	7.2	4.4	6.3	6.8	3.7	4.6	7.5	4.9	5.7	5.4	4.1	4.7
11	7.0	3.8	5.1	6.4	3.6	4.6	7.7	5.0	5.7	4.9	3.8	4.4
12	7.2	4.0	6.3	5.4	3.5	4.3	6.8	4.2	5.1	4.4	3.8	4.1
13	6.7	4.6	5.6	6.0	3.5	4.8	6.6	4.2	4.7	6.7	5.3	6.3
14	6.9	3.6	5.8	5.3	3.4	4.5	6.3	4.1	4.6	6.7	5.6	6.0
15	5.9	3.9	5.2	5.4	3.6	4.4	6.8	4.2	5.0	6.8	5.5	6.3
16	3.4	2.5	2.8	4.6	3.5	4.0	6.4	3.6	4.7	7.2	6.1	6.6
17	5.0	3.0	4.6	5.3	3.5	4.2	6.6	3.4	4.6	6.9	6.2	6.5
18	5.5	4.4	5.0	6.1	4.0	4.6	7.1	3.8	4.8	7.0	5.9	6.5
19	5.2	3.9	4.7	6.1	3.9	4.6	6.7	3.4	3.9	6.6	6.0	6.3
20	5.3	3.8	4.6	6.1	3.4	4.9	7.2	4.9	6.1	7.0	5.9	6.5
21	5.6	3.9	5.0	5.9	2.7	4.7	7.0	5.0	6.0	7.0	6.3	6.7
22	4.9	4.1	4.5	4.5	2.1	3.8	5.8	4.1	5.3	7.0	6.1	6.7
23	5.6	3.8	4.7	4.6	2.6	3.4	6.7	4.7	5.3	6.8	6.1	6.6
24	6.0	4.7	5.2	5.2	3.1	4.3	6.8	4.7	5.4	6.7	6.0	6.5
25	5.4	4.5	4.9	5.6	3.9	4.7	6.8	5.4	6.2	6.7	4.7	6.1
26	4.6	3.9	4.2	5.9	3.9	5.0	6.7	4.7	5.8	6.8	6.1	6.4
27	4.1	3.2	3.6	6.6	3.9	5.5	6.3	5.6	6.0	6.7	6.6	6.6
28	3.8	3.1	3.3	5.3	3.5	4.7	6.7	5.8	6.3	6.8	6.6	6.7
29	3.7	2.7	3.4	4.7	3.0	3.9	---	---	---	7.2	6.7	7.0
30	5.5	3.6	4.4	3.9	2.3	3.2	6.7	5.5	6.1	7.6	7.1	7.3
31	---	---	---	3.9	2.6	3.1	7.2	5.5	6.3	---	---	---

03592825 YELLOW CREEK AT CROSS ROADS, MS

LOCATION.--Lat 34°54'53", long 88°14'44", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, in Yellow Creek Embayment of Pickwick Lake, near bridges on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads, and at mile 11.0 (17.7 km).

DRAINAGE AREA.--165 mi² (427 km²).

PERIOD OF RECORD.--Water years 1977 to July 1980 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to May 1979.
pH: April 1978 to May 1979.
WATER TEMPERATURE: April 1978 to May 1979.
TURBIDITY: April 1978 to May 1979.
DISSOLVED OXYGEN: April 1978 to May 1979.
SUSPENDED SEDIMENT CONCENTRATION: April 1978 to May 1979.

INSTRUMENTATION.--Water-quality monitor and automatic pumping sediment sampler from April 1978 to May 1979.

REMARKS.--Stage-discharge relation not determined due to backwater from Pickwick Lake.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 67 micromhos Aug. 10, 1978; minimum, 20 micromhos May 19, Aug. 15, 1978.
pH: Maximum, 6.5 units on many days during 1978; minimum, 5.3 units Aug. 9, 1978.
WATER TEMPERATURE: Maximum, 29.5°C June 29, July 5, 1978; minimum observed 1.5°C Jan. 4, 1978.
TURBIDITY: Maximum, 800 NTU Sept. 19, 1978; minimum, 15 NTU, Apr. 21, 1978.
DISSOLVED OXYGEN: Maximum, 9.8 mg/L Apr. 21, 1978; minimum, 5.0 mg/L June 1, July 10, 1978.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2830 mg/L May 28, 1978; minimum daily mean, 11 mg/L June 26, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 92 micromhos Oct. 13, 1978; minimum, 17 micromhos Mar. 4, 1979.
pH: Maximum, 7.1 units May 10, 1979; minimum, 4.8 units Apr. 13, 1979.
WATER TEMPERATURE: Maximum, 24.0°C May 10, 1979; minimum, 1.0°C Jan. 15, 1979.
TURBIDITY: Maximum, 850 NTU Oct. 4, Nov. 9, 1978, Apr. 11, 12, May 3, 12, 1979; minimum, 15 NTU Nov. 15, 1978, Feb. 19, Mar. 3, Apr. 24, May 12, 1979.
DISSOLVED OXYGEN: Maximum, 12.5 mg/L Jan. 9, Feb. 19, 1979; minimum, 5.5 mg/L May 28, 1979.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 12,800 mg/L Apr. 15, 1979; minimum daily mean, 52 mg/L Oct. 24, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	SODIUM, DISSOLVED (MG/L AS NA)
OCT										
03...	1100	61	6.6	18.5	95	20	7.8	21	190	2.3
JAN										
16...	1100	42	6.8	10.0	30	5.2	11.0	19	140	1.8
APR										
02...	1330	38	5.6	13.0	50	60	8.3	13	73	1.2
JUL										
09...	1130	75	7.1	30.0	25	24	7.8	14	390	3.0

DATE	SODIUM PERCENT	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT										
03...	0	1.2	13	.1	11	46	.06	.01	.010	.02
JAN										
16...	--	--	22	--	9.4	46	.06	--	--	.09
APR										
02...	0	.9	19	.1	6.7	31	.04	--	--	.19
JUL										
09...	0	1.4	16	.1	9.9	55	.07	--	--	.01

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT									
03...	.020	.02	.40	.42	.44	1.9	.050	.15	.020
JAN									
16...	.020	.02	.04	.06	.15	.66	.010	.03	.000
APR									
02...	.030	.04	.17	.20	.39	1.7	.060	.18	.000
JUL									
09...	.120	.15	.15	.27	.28	1.2	.060	.18	.000

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	PHENOLS (UG/L)	SEDIMENT, SUSPENDED (MG/L)
OCT									
03...	2800	2700	80	310	40	270	<.5	0	--
JAN									
16...	1800	1700	120	300	20	280	.1	0	--
APR									
02...	2900	2900	30	230	30	200	.1	0	--
JUL									
09...	2700	2600	100	330	40	290	.1	1	40

DATE	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
OCT										
03...	.00	.0	.00	.0	.00	.00	.00	--	.00	.00
JAN										
16...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00
APR										
02...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00
JUL										
09...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT									
03...	.00	--	.00	.00	.00	--	.00	--	--
JAN									
16...	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR									
02...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL									
09...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT									
03...	.00	--	.00	0	--	.00	.00	.00	.00
JAN									
16...	.00	.00	.00	0	.00	.00	.00	.00	.00
APR									
02...	.00	.00	.00	0	.00	.00	.00	.00	.00
JUL									
09...	.00	.00	.00	0	.00	.00	.00	.00	.00

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi^2 (2,416,000 km^2), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1978. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1978 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--45 years, 470,100 ft^3/s (13,300 m^3/s), 340,600,000 acre-ft/yr (420 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft^3/s (56,100 m^3/s) Feb. 8, 1937, maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937, minimum discharge, 79,200 ft^3/s (2,240 m^3/s) Aug. 26, 1936, minimum gage height -5.70 ft (-1.737 m) Sept. 21, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

NOTE.--Records for 1979 and 1980 water years will be published in a subsequent report.

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi (1.3 km) northeast of Etta, 3.8 mi (6.1 km) upstream from Puskus Creek, 5.0 mi (8.0 km) downstream from Locks Creek, 12.3 mi (19.8 km) west of New Albany, and 55.0 mi (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi² (1,362 km²).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--42 years, 857 ft³/s (24.27 m³/s), 22.13 in/yr (562 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955, gage height, 29.32 ft (8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	Unknown	Unknown		Unknown		Mar. 21	0045	32800	929	26.07	7.946
Nov. 25	Unknown	Unknown		Unknown		Mar. 28	1415	19000	538	24.82	7.565
Dec. 24	1130	17700	501	24.66	7.516	Apr. 12	1630	18900	535	24.80	7.559
Mar. 17	1515	*33800	957	26.15	7.971	Apr. 14	0215	16900	479	24.55	7.483

Minimum daily discharge, 23 ft³/s (0.65 m³/s) Sept. 12, 13; gage height, 8.31 ft (2.53 m).

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	198	711	617	703	318	1120	463	192	236	48	30
2	171	150	609	568	599	318	963	429	147	150	46	28
3	146	130	538	553	586	311	858	397	129	122	126	29
4	347	120	509	1190	558	334	788	361	121	106	327	29
5	201	110	487	662	531	689	689	344	114	95	79	27
6	147	100	480	560	540	468	640	327	106	91	60	27
7	132	95	454	898	492	3780	611	302	98	84	54	27
8	121	90	405	840	630	9090	648	295	94	79	49	26
9	115	2800	374	604	4010	2310	609	271	94	73	45	26
10	141	5000	366	545	1410	867	526	252	89	70	41	25
11	138	1500	359	4350	793	617	1420	244	84	66	39	24
12	122	900	583	2420	673	4050	15600	246	78	62	38	23
13	111	600	4370	837	619	2930	12700	250	76	59	37	23
14	95	450	1610	689	586	928	11500	246	72	55	36	66
15	93	400	725	604	560	648	3290	230	68	53	54	33
16	94	350	578	583	630	2480	1530	282	138	52	39	25
17	94	320	451	619	501	27200	1200	339	2990	49	35	37
18	93	300	392	2380	454	10400	6110	291	364	56	38	47
19	92	280	382	849	474	2600	3070	228	756	53	37	31
20	91	260	364	627	588	14900	1250	273	739	47	36	27
21	88	240	337	932	509	21400	947	234	216	49	34	26
22	87	1000	330	4520	468	4490	790	410	160	60	31	26
23	108	14000	6310	4460	424	1830	700	1310	163	116	30	25
24	97	9000	14500	1290	384	6850	632	371	3240	69	29	24
25	87	13000	4740	823	364	2770	596	271	889	56	29	24
26	86	11000	1490	736	327	1350	1740	224	269	460	29	33
27	84	4000	892	705	330	1160	805	192	180	194	29	28
28	97	1780	756	622	337	14400	630	173	146	108	27	54
29	511	1100	683	586	320	5980	563	161	309	67	116	252
30	311	861	747	1050	---	2790	501	158	1430	58	42	309
31	176	---	662	2230	---	1510	---	152	---	53	32	---
TOTAL	4532	70134	46194	38949	19400	149768	73026	9726	12551	2948	1692	1411
MEAN	146	2338	1490	1256	669	4831	2434	314	452	95.1	54.6	47.0
MAX	511	14000	14500	4520	4010	27200	15600	1310	3240	460	327	309
MIN	84	90	330	545	320	311	501	152	68	47	27	23
CFSM	.28	4.45	2.83	2.39	1.27	9.18	4.63	.60	.86	.18	.10	.09
IN.	.32	4.96	3.27	2.75	1.37	10.59	5.16	.69	.96	.21	.12	.10

CAL YR 1979 TOTAL 548843 MEAN 1504 MAX 30000 MIN 60 CFSM 2.86 IN 38.82
WTR YR 1980 TOTAL 431331 MEAN 1179 MAX 27200 MIN 23 CFSM 2.24 IN 30.50

07272000 SARDIS LAKE NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gagehouse of dam of Little Tallahatchie River. 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to September 1979. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.77 m), crest of spillway, of which about 1,461,900 acre-ft or 1,800 hm³ is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.87 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973, elevation, 285.83 ft (87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941, elevation, 228.93 ft (69.778 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet

235	97.6	265	787.2
240	157.1	270	988.2
245	235.8	275	1220.7
250	336.2	280	1487.5
255	462.2	282	1603.4
260	612.5		

NOTE.--Record for 1980 water year will be published in a subsequent report.

07272500 LITTLE TALLAHATCHIE RIVER AT SARDIS DAM, NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gage house of Sardis Dam, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi^2 (4,002 km^2).

PERIOD OF RECORD.--January 1940 to September 1979. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

REVISED RECORDS.--WSP 1147: 1946(M). WSP 1711: 1942(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Flow completely regulated by Sardis Lake (see station 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--39 years, 2,316 ft^3/s (65.59 m^3/s), 20.36 in/yr (517 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft^3/s (337 m^3/s) Apr. 28, 1973; minimum, no flow at times each year prior to 1959.

NOTE.--Records for 1980 water year will be published in a subseqeunt report.

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi (2.4 km) downstream from Burney Branch, 6 mi (10 km) south of Oxford, and at mi 42.3 (68.1 km).

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 267.20 ft (81.443 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--34 years, 394 ft³/s (11.16 m³/s), 20.42 in/yr (519 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955, gage height, 28.72 ft (8.754 m), present datum, from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	0415	8980	254	26.14	7.967	Mar. 21	0345	*11200	317	26.61	8.111

Minimum daily discharge, 20 ft³/s (0.57 m³/s) Sept. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	483	825	288	581	151	1010	260	88	64	31	24
2	197	132	668	253	401	153	800	238	76	57	28	23
3	92	109	530	236	333	161	630	220	64	53	27	24
4	256	103	399	331	301	156	483	202	60	49	32	28
5	209	84	295	310	277	315	391	184	56	48	30	29
6	131	77	252	253	270	327	338	166	52	46	27	28
7	102	69	219	350	241	2250	306	151	51	45	26	23
8	89	66	189	409	341	5010	285	137	49	43	25	22
9	80	660	172	333	1260	2500	248	131	48	42	25	22
10	88	1220	162	327	995	1280	227	118	46	40	25	21
11	83	773	155	1910	837	875	1220	113	43	38	23	20
12	76	734	290	1060	589	2120	6720	113	41	36	22	20
13	68	461	1040	927	419	1770	6430	118	39	34	34	21
14	63	221	736	624	356	1260	5330	112	36	33	73	32
15	60	173	599	411	324	811	2510	108	35	31	47	33
16	59	149	386	353	309	1550	1510	249	34	30	33	30
17	60	133	270	347	267	7010	1190	249	46	29	31	30
18	56	123	224	612	238	4550	2080	166	52	32	29	32
19	56	114	208	589	236	2040	1810	133	74	33	29	29
20	54	107	197	478	227	6280	1180	126	83	32	28	32
21	50	101	187	465	218	8300	806	119	69	30	26	33
22	63	385	186	1560	202	3270	593	228	57	43	24	30
23	65	5280	1620	1670	186	1800	442	264	52	43	23	28
24	56	4930	3740	1290	170	3070	358	193	638	38	22	27
25	55	5790	2680	842	160	2340	488	136	367	35	21	36
26	53	7550	1510	612	159	1540	1030	110	167	33	21	40
27	53	3100	944	483	160	1300	698	96	107	32	22	35
28	63	1650	668	392	154	5470	534	89	88	38	21	198
29	82	1180	467	336	153	3420	358	94	81	36	46	279
30	69	972	374	487	---	2210	292	79	76	34	37	270
31	110	---	328	800	---	1370	---	82	---	33	26	---
TOTAL	2620	36869	20520	19338	10364	74659	40297	4784	2775	1210	914	1499
MEAN	84.5	1229	662	624	357	2408	1343	154	92.5	39.0	29.5	50.0
MAX	256	7550	3740	1910	1260	8300	6720	264	638	64	73	279
MIN	50	66	155	236	153	151	227	79	34	29	21	20
CFSM	.32	4.69	2.53	2.38	1.36	9.19	5.13	.59	.35	.15	.11	.19
IN.	.37	5.23	2.91	2.75	1.47	10.60	5.72	.68	.39	.17	.13	.21

CAL YR 1979 TOTAL 260312 MEAN 713 MAX 9750 MIN 32 CFSM 2.72 IN 36.96
WTR YR 1980 TOTAL 215849 MEAN 590 MAX 8300 MIN 20 CFSM 2.25 IN 30.65

07274500 ENID LAKE NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse of dam on Yocona River, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi^2 (1,450 km^2).

PERIOD OF RECORD.--July 1951 to September 1979. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm^3) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm^3) is available for flood control and about 57,600 acre-ft (71.0 hm^3) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 752,000 acre-ft (927 hm^3) Apr. 28, 1973, elevation, 271.15 ft (82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (0.592 hm^3) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

Capacity table (elevation in feet, and contents, in thousands of acre-feet

229	51.7	250	270.0
230	57.6	255	358.2
235	93.4	260	460.2
240	139.4	265	579.5
245	197.3	268	660.0

NOTE.--Records for 1980 water year will be published in a subsequent report.

07275000 YOCONA RIVER AT ENID DAM, NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse at Enid Dam, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi^2 (1,450 km^2).

PERIOD OF RECORD.--July 1928 to September 1979. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mi (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) NGVD July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see station 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--51 years, 862 ft^3/s (24.41 m^3/s), 20.90 in/yr (531 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,300 ft^3/s (1,030 m^3/s) Feb. 14, 1948, gage height, 21.61 ft (6.587 m), site and datum then in use); maximum discharge since July 1951, when regulation began, 6,060 ft^3/s (172 m^3/s) Dec. 28, 1951; minimum, no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft^3/s (0.96 m^3/s) Sept. 28, 1931, but may have been less during periods of estimated record October to December 1931.

NOTE.--Records for 1980 water year will be published in a subsequent report.

07278000 ARKABUTLA LAKE NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of dam on Coldwater River, 4.5 mi (6.9 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to September 1979. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

REVISED RECORDS.--WSP 1007: 1941. WSP 1241: 1947.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

Capacity table (elevation in feet, and contents, in thousands of acre-feet

210	35.3	225	195.9
215	69.8	230	295.0
218	98.9	235	423.1
220	122.3	240	584.9
222	149.0	245	783.6

NOTE.--Records for 1980 water year will be published in a subsequent report.

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of Arkabutla Dam, 4.0 mi (6.4 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi^2 (2,590 km^2), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to September 1979. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

REVISED RECORDS.--WSP 1241: 1946. WSP 1441: 1938(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 mi (2.7 km) downstream at datum 187.54 ft (57.162 m) NGVD. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see station 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--41 years, 1,328 ft^3/s (37.61 m^3/s), 18.03 in/yr (458 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 30,200 ft^3/s (855 m^3/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft^3/s (3.40 m^3/s) Oct. 15, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 21.3 ft (6.49 m), from floodmarks, occurred in January 1935 at original site and datum.

NOTE.--Records for 1980 water year will be published in a subsequent report.

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS

LOCATION.--Lat 34°26'20", long 90°15'29", in NW¼NE¼ sec.33, T.7 S., R.10 W., Chickasaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of span on downstream side of bridge on State Highway 315, 2.4 mi (3.9 km) west of Sledge and 3.1 mi (5.0 km) north of Falcon.

DRAINAGE AREA.--1,404 mi² (3,636 km²).

PERIOD OF RECORD.--May 1980 to current year. Gage-height record and occasional discharge measurements, March 1949 to current year, in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 146.09 ft (44.528 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Auxiliary water-stage recorder 5.1 mi (8.2 km) upstream from base gage at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records fair.

COOPERATION.--Gage-height record furnished by Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 20, 1953, reached a stage of 26.08 ft (7.949 m), discharge not determined, from information by Corps of Engineers; minimum stage, 1.13 ft (0.344 m) Oct. 19, 1976, from information by Corps of Engineers.

EXTREMES FOR CURRENT PERIOD.--May to September 1980: Maximum daily discharge during period, 6,370 ft³/s (180 m³/s) May 7; minimum daily, 379 ft³/s (10.7 m³/s) Sept. 5, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	3140	1220	1250	408
2								5720	3140	1400	1430	399
3								5940	3420	1470	1510	391
4								6180	3510	1450	1510	387
5								6320	3490	1420	1500	379
6								6340	3140	1410	1530	383
7								6370	2000	1390	1560	393
8								6280	1650	1370	1680	387
9								5980	1630	1360	1780	381
10								4090	1610	1350	1790	379
11								3140	1580	1350	1790	459
12								3410	1550	1440	1780	547
13								3490	1510	1480	1770	537
14								2830	1490	1460	1760	535
15								1720	1480	1570	1750	530
16								2840	1470	1610	1740	532
17								3140	1470	1590	1680	627
18								2030	1480	1600	1600	724
19								1570	1500	1620	1570	721
20								1600	1520	1650	1550	695
21								1480	1530	1640	1380	680
22								4760	1520	1700	1200	669
23								5850	1530	1840	888	659
24								3690	5950	1850	493	653
25								2710	5300	1730	411	664
26								2180	3170	1660	395	772
27								1710	2130	1610	387	843
28								1590	1580	1570	382	877
29								2310	1260	1360	393	1150
30								2970	1020	1260	425	1460
31								3150	---	1250	418	---
TOTAL								---	66770	46680	39302	18221
MEAN								---	2226	1506	1268	607
MAX								---	5950	1850	1790	1460
MIN								---	1020	1220	382	379
CFSM								---	1.59	1.07	.90	.43
IN.								---	1.77	1.24	1.04	.48

07279800 COLDWATER RIVER (POMPEY DITCH) NR SLEDGE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
MAY						
02...	1200	5720	44	16.0	226	3490
21...	1345	1530	70	21.0	212	876
JUN						
10...	1700	1610	63	24.5	176	765
18...	1415	1490	75	23.5	156	628
26...	1715	2500	78	28.0	779	5260
JUL						
02...	1000	1320	73	28.0	377	1340
22...	1600	1700	84	28.5	255	1170
AUG						
19...	1530	1570	83	30.0	243	1030

DATE	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
JUN											
18...	7.1	150	60	7.8	24	22	0	5.2	2.3	3.1	21

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
JUN										
18...	.3	2.1	24	4.2	2.7	.1	5.0	74	39	.10

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, VOLA-TILE, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)
JUN										
18...	298	28	.37	.030	.40	.000	.00	.75	.75	1.2

DATE	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)
JUN										
18...	5.1	.220	.37	.67	.120	6800	6700	140	5.6	1300

07279800 COLDWATER RIVER (POMPEY DITCH) NR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LENGTH OF EXPO-SURE (DAYS)	PERI-PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI-PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)
JUL					
22...	34	15.8	16.4	.000	.000

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JUNE 1980

DATE	JUN 18,80
TIME	1415
TOTAL CELLS/ML	1300
DIVERSITY: DIVISION	1.4
.CLASS	1.4
..ORDER	1.6
...FAMILY	1.6
....GENUS	1.6

ORGANISM	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	210#	17
...OOCYSTACEAE		
....CHLORELLA	13	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....MELOSIRA	330#	26
..PENNALES		
...NITZSCHIACEAE		
....NITZSCHIA	26	2
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	670#	54

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07279937 DAVID BAYOU NEAR SLEDGE, MS

LOCATION.--Lat 34°25'14", long 90°14'02", in NE¼ sec.3, T.8 S., R.10 W., Chickasaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of span on upstream side of bridge on old State Highway 3, 1.1 mi (1.8 km) southwest of Sledge, and 0.8 mi (1.3 km) upstream from Burrell Bayou.

DRAINAGE AREA.--28.0 mi^2 (72.5 km^2).

PERIOD OF RECORD.--May 1980 to current year. Gage-height record and occasional discharge measurements, January 1946 to current year, in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 154.00 ft (46.939 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

COOPERATION.--Gage-height record furnished by Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 11.90 ft (3.627 m), discharge not determined, from information by Corps of Engineers; no flow at times, from information by Corps of Engineers.

EXTREMES FOR CURRENT PERIOD.--May to September 1980: Maximum daily discharge during period, 450 ft^3/s (12.7 m^3/s) June 25; minimum daily, 1.2 ft^3/s (0.034 m^3/s) Sept. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	5.0	9.0	17	10
2								3.7	3.7	6.8	14	9.4
3								3.7	3.0	6.1	11	9.0
4								3.5	2.5	6.1	11	8.1
5								4.5	2.5	6.8	11	8.1
6								8.5	2.0	9.0	11	7.4
7								19	2.0	10	11	7.4
8								25	1.6	11	11	6.8
9								27	1.6	11	10	6.2
10								14	1.6	11	10	6.2
11								1.6	1.6	10	10	6.2
12								1.6	3.0	9.0	10	7.4
13								4.8	7.5	9.4	10	7.4
14								19	---	9.4	13	6.8
15								11	---	10	14	5.5
16								47	---	10	13	4.2
17								58	---	10	11	3.3
18								36	5.4	11	11	3.1
19								18	8.7	13	11	2.4
20								31	10	11	10	1.6
21								17	10	13	10	1.4
22								95	9.4	18	10	1.6
23								113	11	29	9.4	1.6
24								60	264	28	9.0	1.2
25								40	450	22	9.0	1.6
26								14	229	17	8.1	3.1
27								10	97	14	8.1	2.4
28								8.7	65	13	7.5	8.1
29								8.7	52	16	10	44
30								7.5	26	19	12	58
31								6.2	---	19	10	---
TOTAL	---	---	---	---	---	---	---	---	---	397.6	333.1	249.5
MEAN	---	---	---	---	---	---	---	---	---	12.8	10.7	8.32
MAX	---	---	---	---	---	---	---	---	---	29	17	58
MIN	---	---	---	---	---	---	---	---	---	6.1	7.5	1.2
CFSM	---	---	---	---	---	---	---	---	---	.46	.38	.30
IN.	---	---	---	---	---	---	---	---	---	.53	.44	.33

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE, WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
MAY						
02...	1400	3.7	280	23.0	190	1.9
21...	1515	16	130	26.5	284	12
JUN						
11...	0830	1.6	310	24.0	170	.73
18...	1615	5.4	273	28.0	117	1.7
26...	1100	240	84	28.0	330	214
27...	0745	110	98	28.0	1490	443
27...	1200	76	100	29.5	232	48
JUL						
02...	1115	6.5	230	32.0	136	2.4
22...	1730	20	280	27.5	88	4.8
23...	0900	29	300	26.0	108	8.5
AUG						
20...	0930	10	350	29.0	160	4.3

DATE	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
JUN											
18...	8.8	20	1.2	9.8	64	100	0	25	9.9	13	21

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
JUN										
18...	.6	3.7	110	5.5	8.9	.3	5.0	156	137	.21

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, VOLA-TILE, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)
JUN										
18...	2.27	##	.00	.020	.01	.000	.00	2.0	2.0	2.0

DATE	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)
JUN										
18...	8.9	.350	.28	1.1	.090	3300	3300	30	16	1200000

07279937 DAVID BAYOU NR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LENGTH OF EXPO-SURE (DAYS)	PERI-PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI-PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	BIOMASS CHLORO-PHYLL RATIO PERI-PHYTON (UNITS)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)
JUL 23...	35	3.23	4.25	5100	.200	.070

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JUNE 1980

DATE	JUN 18,80
TIME	1615
TOTAL CELLS/ML	1200000
DIVERSITY: DIVISION	0.3
.CLASS	0.3
..ORDER	0.3
...FAMILY	0.3
....GENUS	0.5

ORGANISM	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHARACIACEAE		
....SCHROEDERIA	*	0
...OOCYSTACEAE		
....ANKISTRODESMUS	*	0
....CHODATELLA	*	0
....SELENASTRUM	8600	1
....TETRAEDRON	*	0
...SCENEDESMACEAE		
....CRUCIGENIA	*	0
....SCENEDESMUS	*	0
....TETRASTRUM	*	0
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	*	0
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	*	0
....MELOSIRA	*	0
..PENNALES		
...NAVICULACEAE		
....GYROSIGMA	*	0
...NITZSCHIACEAE		
....NITZSCHIA	16000	1
.XANTHOPHYCEAE		
..HETEROCOCCALES		
...CHLOROTHECIACEAE		
....OPHIOCYTIUM	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	13000	1
....ANACYSTIS	1200000#	95
....GOMPHOSPHAERIA	*	0
..HORMOGONALES		
...NOSTOCACEAE		
....ANABAENA	*	0
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	*	0
....TRACHELOMONAS	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw Meridian, Quitman County, Hydrologic Unit 08030202, near center of span on downstream side of highway bridge, 0.2 mi (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 mi (5.6 km) southeast of Lambert, and 26.2 mi (42.2 km) upstream from the Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi^2 (5,130 km^2), approximately (does not include 2,600 mi^2 or 6,730 km^2) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 mi (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to September 1979. Prior to October 1938, monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1939.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 mi (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see station 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--44 years, 2,721 ft^3/s (77.06 m^3/s), 18.66 in/yr (474 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 32,800 ft^3/s (929 m^3/s) Jan. 30, 1937 gage height, 35.54 ft (10.833 m); minimum, 59 ft^3/s (1.67 m^3/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 36.8 ft (11.22 m), from floodmarks, occurred in January 1932 (probably affected by levee breaks above).

NOTE.--Records for 1980 water year will be published in a subsequent report.

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'12", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on downstream side of bridge on county road, 3.3 mi (5.3 km) west of Tillatoba, and 4.6 mi (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--September 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 220 ft (67 m) from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--6 years, 67.4 ft³/s (1.909 m³/s), 24.67 in/yr (627 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,600 ft³/s (215 m³/s) June 24, 1980, gage height, 14.93 ft (4.551 m), from floodmarks, from rating curve extended above 2,100 ft³/s (59 m³/s) on basis of contracted-opening measurement at gage height 14.93 ft (4.551 m); maximum gage height, 17.72 ft (5.401 m) Mar. 29, 1975; minimum daily, 0.08 ft³/s (0.002 m³/s) Sept. 24, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 7	1315	5310	150	12.97	3.953	Apr. 12	0400	2480	70.2	9.71	2.960
Mar. 12	0830	2340	66.3	9.50	2.896	Apr. 13	1330	2490	70.5	9.72	2.963
Mar. 17	0815	3480	98.6	11.02	3.359	June 24	1100	*7600	215	b14.93	4.551
Mar. 20	0745	3590	102	11.15	3.399	Sept. 28	1545	2160	61.2	9.24	2.816
Mar. 29	0300	3460	98.0	a11.00	3.353						

Minimum daily discharge, 1.1 ft³/s (0.031 m³/s) Sept. 17.

a From reconstructed graph.
b From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	4.9	8.3	12	60	18	113	44	14	14	3.7	2.1
2	2.1	4.2	6.2	9.9	45	18	88	41	12	13	4.5	1.9
3	2.1	4.0	5.1	28	40	18	75	38	11	12	16	1.9
4	37	3.9	4.6	72	35	19	67	44	10	11	140	1.8
5	7.7	4.0	4.5	27	30	23	58	35	9.4	9.1	27	1.6
6	4.8	3.8	4.3	16	35	19	50	32	8.8	7.9	10	2.0
7	3.6	3.8	4.1	57	30	2200	45	29	8.2	7.6	7.0	1.7
8	3.1	3.9	3.9	34	291	347	40	24	7.7	7.2	5.0	1.7
9	2.8	167	3.8	21	285	172	37	22	7.3	12	4.5	1.6
10	3.3	65	3.9	198	90	135	35	20	7.0	7.6	4.0	1.5
11	3.3	15	4.1	936	60	104	210	19	6.6	6.0	3.5	1.4
12	2.9	10	149	180	50	883	1080	18	6.2	5.5	4.0	1.4
13	2.5	6.4	207	90	40	183	1430	18	6.0	4.5	6.0	1.3
14	2.4	5.2	50	50	35	111	321	17	5.8	4.1	4.5	1.3
15	2.3	4.6	23	40	35	80	173	18	5.6	4.1	7.0	1.3
16	2.3	4.0	17	35	50	609	133	96	7.0	3.9	6.0	1.2
17	2.4	3.8	10	37	40	1890	110	32	11	3.9	5.0	1.1
18	2.4	3.6	7.6	60	35	253	157	22	7.3	5.2	4.5	1.4
19	2.4	3.5	6.7	45	30	197	115	22	29	4.7	4.3	1.8
20	2.4	3.5	6.1	35	27	2080	78	25	10	3.7	4.0	1.8
21	2.3	3.3	5.0	70	24	426	60	19	7.0	6.6	3.6	2.2
22	3.8	174	6.1	492	23	191	50	459	6.0	20	3.2	1.7
23	5.6	1030	489	187	20	171	45	86	5.0	61	2.9	1.7
24	3.9	152	593	80	18	480	40	46	3140	6.9	2.8	1.6
25	3.4	540	111	50	18	156	251	361	606	4.5	2.5	3.8
26	3.3	142	57	40	17	124	270	62	159	6.0	2.5	4.3
27	3.2	63	32	35	17	114	78	34	68	6.0	2.5	2.4
28	4.1	38	30	30	17	484	57	38	33	5.0	2.5	914
29	7.9	20	21	30	17	1470	49	34	19	4.5	2.7	335
30	4.9	12	20	100	---	470	45	24	16	4.0	2.3	140
31	4.9	---	15	132	---	278	---	17	---	3.8	2.2	---
TOTAL	141.4	2498.4	1908.3	3228.9	1514	13723	5360	1796	4248.9	275.3	300.2	1438.5
MEAN	4.56	83.3	61.6	104	52.2	443	179	57.9	142	8.88	9.68	48.0
MAX	37	1030	593	936	291	2200	1430	459	3140	61	140	914
MIN	2.1	3.3	3.8	9.9	17	18	35	17	5.0	3.7	2.2	1.1
CFSM	.12	2.25	1.66	2.80	1.41	11.9	4.83	1.56	3.83	.24	.26	1.29
IN.	.14	2.51	1.91	3.24	1.52	13.76	5.37	1.80	4.26	.28	.30	1.44

CAL YR 1979 TOTAL 36888.2 MEAN 101 MAX 1950 MIN 2.1 CFSM 2.72 IN 36.99
WTR YR 1980 TOTAL 36432.9 MEAN 99.5 MAX 3140 MIN 1.1 CFSM 2.68 IN 36.53

07280270 TILLATOBA CREEK BL OAKLAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT				
03...	2030	2.0	43	.23
10...	1910	3.7	38	.38
DEC				
05...	1920	4.3	34	.39
12...	2000	644	1520	2640
19...	1925	6.4	17	.29
JAN				
02...	1900	9.4	51	1.3
09...	1650	21	60	3.4
16...	1745	35	98	9.3
23...	1850	147	220	87
30...	1935	227	870	533
FEB				
06...	1450	35	82	7.7
08...	1940	947	3010	7700
13...	1440	40	125	13
23...	1750	20	39	2.1
MAR				
02...	0835	18	25	1.2
07...	1820	3950	3500	37300
07...	1830	3880	3570	37400
07...	1845	3700	3160	31600
07...	1900	3560	2850	27400
12...	1620	1680	2360	10700
16...	1515	1220	3620	11900
16...	1525	1260	3010	10200
16...	1535	1270	3020	10400
20...	1700	2710	2960	21700
20...	1730	2590	2620	18300
APR				
01...	1640	97	76	20
04...	1715	64	66	11
12...	1330	467	1230	1550
13...	1630	2070	1620	9050
25...	2330	1040	2610	7330
26...	1330	161	187	81
MAY				
01...	1545	44	81	9.6
03...	1030	28	102	7.7
05...	1600	33	40	3.6
07...	1630	25	45	3.0
11...	1400	20	80	4.3
16...	1700	91	95	23
19...	1545	24	53	3.4
26...	1720	65	84	15
28...	1730	43	50	5.8
JUN				
02...	1630	12	60	1.9
06...	1635	9.0	39	.95
09...	1710	7.3	24	.47
19...	1620	76	340	70
24...	1700	3410	2180	20100
24...	1730	2110	1920	10900
JUL				
01...	1630	14	89	3.4
04...	1300	11	52	1.5
07...	1630	7.6	33	.68
18...	1800	3.7	42	.42
21...	1600	9.5	37	.95
23...	1730	23	36	2.2
28...	1700	5.0	20	.27
AUG				
04...	1815	46	34	4.2
11...	1630	3.5	24	.23
14...	1620	4.5	22	.27
25...	1715	2.4	51	.33
29...	1815	2.6	34	.24

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft (24 m) downstream from left end of bridge on county road, 1.9 mi (3.1 km) south of intersection of county road and Mississippi Highway 32, 4.8 mi (7.7 km) west of Tillatoba and 4.8 mi (7.7 km) east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi² (140 km²).

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--July 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 189.37 ft (57.720 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--5 years, 88.6 ft³/s (2.509 m³/s) 22.32 in/yr (567 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft³/s (312 m³/s) June 24, 1980, gage height 23.47 ft (7.154 m); minimum daily, 2.0 ft³/s (0.057 m³/s), Sept. 5, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34.0 m³/s) and maximum (*).

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	1200	2760	78.2	a11.20	3.414	Mar. 24	0430	1520	43.0	8.37	2.551
Nov. 25	1300	2030	57.5	b9.6	2.93	Mar. 28	0445	3350	94.9	12.36	3.767
Dec. 23	1400	1420	40.2	b8.1	2.47	Mar. 29	2030	1420	40.2	b8.1	2.47
Dec. 24	0900	1810	51.3	b9.1	2.77	Apr. 12	0615	3220	91.2	12.10	3.688
Jan. 11	0730	2480	70.2	b10.6	3.23	Apr. 13	1800	4080	116	13.69	4.173
Jan. 22	1530	1450	41.1	8.19	2.496	Apr. 25	2315	2140	60.6	9.87	3.008
Feb. 8	2245	1370	38.8	7.96	2.426	May 22	1015	1790	50.7	9.05	2.758
Mar. 7	1900	7400	210	a18.85	5.745	May 25	1615	2020	57.2	9.59	2.923
Mar. 12	1245	2900	82.1	11.47	3.496	June 24	1215	*11000	312	23.47	7.154
Mar. 17	0345	4970	141	15.20	4.633	Sept. 28	1700	2430	68.8	b10.5	3.20
Mar. 20	1100	4260	121	b14.0	4.27						

Minimum daily discharge, 3.4 ft³/s (0.096 m³/s) July 16, 17, Sept. 11, 17-20, 23, 24.

a From floodmark.
b From reconstructed graph.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	8.4	7.3	6.9	51	19	93	33	14	17	4.8	4.8
2	4.5	7.3	6.2	6.2	33	21	67	29	12	13	4.1	4.3
3	4.3	7.3	5.9	15	31	20	51	26	10	9.7	71	4.1
4	21	6.9	5.6	40	26	19	41	21	9.3	8.0	90	4.1
5	11	6.9	5.6	13	25	18	37	19	8.4	7.3	9.7	4.1
6	8.8	6.9	5.6	9.7	28	17	38	17	7.6	6.9	6.6	4.1
7	7.6	6.6	5.6	18	22	3040	29	15	7.6	6.6	5.6	4.1
8	6.6	7.3	4.8	8.8	231	494	28	13	6.9	5.9	22	4.1
9	6.8	189	4.8	7.3	584	156	24	12	6.2	5.6	19	4.1
10	16	126	5.1	166	221	125	21	12	6.2	5.1	112	4.1
11	10	31	5.1	1360	85	91	198	11	5.9	5.1	17	3.4
12	8.4	8.4	140	178	58	1380	1630	11	5.9	4.8	12	3.6
13	7.6	6.6	300	74	48	239	2320	11	5.9	4.8	11	3.6
14	7.0	6.0	53	34	40	93	626	13	5.9	4.3	11	3.6
15	6.8	5.6	13	21	37	49	190	12	5.9	3.6	8.0	3.6
16	6.6	5.2	7.6	17	38	822	128	213	5.9	3.4	8.0	3.6
17	6.6	5.0	5.9	38	31	2610	105	61	24	3.4	8.0	3.4
18	5.9	4.7	5.6	71	29	292	219	24	55	5.6	8.0	3.4
19	5.9	5.0	5.1	27	31	169	245	27	76	5.6	5.1	3.4
20	5.9	4.7	5.1	18	29	3010	72	41	71	4.1	5.1	3.4
21	5.9	4.5	4.8	67	27	727	43	16	17	8.0	5.1	4.1
22	6.9	63	5.1	770	26	190	29	862	13	47	5.1	3.6
23	8.8	1600	680	304	24	167	22	211	11	267	4.8	3.4
24	7.3	280	1000	90	21	758	18	80	5500	36	4.8	3.4
25	6.6	930	240	53	20	205	518	663	521	11	5.1	7.3
26	6.6	290	51	71	13	143	829	194	162	8.4	6.6	13
27	6.6	49	14	69	18	265	164	71	106	7.3	4.8	4.3
28	8.8	15	9.3	34	17	1580	85	49	62	6.9	4.8	1270
29	12	11	8.4	28	16	590	53	135	32	5.9	5.1	609
30	8.4	8.8	8.0	105	---	576	43	33	22	4.8	5.1	183
31	8.4	---	7.3	174	---	174	---	20	---	4.8	5.1	---
TOTAL	248.4	3706.1	2624.8	3893.9	1860	18059	7966	2955	6795.6	546.9	494.4	2178.0
MEAN	8.01	124	84.7	126	64.1	583	266	95.3	227	17.6	15.9	72.6
MAX	21	1600	1000	1360	584	3040	2320	862	5500	267	112	1270
MIN	4.3	4.5	4.8	6.2	13	17	18	11	5.9	3.4	4.1	3.4
CFSM	.15	2.30	1.57	2.34	1.19	10.8	4.94	1.77	4.21	.33	.30	1.35
IN.	.17	2.56	1.81	2.69	1.28	12.46	5.50	2.04	4.69	.38	.34	1.50

CAL YR 1979 TOTAL 46234.4 MEAN 127 MAX 2870 MIN 4.3 CFSM 2.36 IN 31.91
WTR YR 1980 TOTAL 51328.1 MEAN 140 MAX 5500 MIN 3.4 CFSM 2.60 IN 35.42

07280340 SOUTH FORK TILLATOBA CREEK NR CHARLESTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT				
03...	2005	4.3	57	.66
10...	1925	16	43	1.9
17...	1900	6.6	32	.57
NOV				
29...	1935	9.7	52	1.4
DEC				
05...	1930	5.3	62	.89
12...	2025	330	78	69
26...	2125	33	120	11
JAN				
02...	1920	5.9	38	.61
09...	1635	7.3	68	1.3
16...	1730	17	118	5.4
23...	1835	145	396	155
30...	1945	287	384	298
FEB				
06...	1435	32	86	7.4
08...	1925	634	3020	5170
13...	1430	44	126	15
23...	1710	23	38	2.4
MAR				
02...	0910	19	58	3.0
07...	1715	7250	2630	51500
07...	1725	7290	2950	58100
07...	1745	7400	2620	52300
07...	1800	7510	2580	52300
12...	1610	1840	2910	14500
16...	1655	1700	5380	24700
16...	1705	1730	5650	26400
16...	1715	1770	5000	23900
20...	1655	4140	3010	33600
20...	1745	4160	3180	35700
APR				
01...	1630	95	56	14
04...	1810	43	53	6.2
12...	1300	1380	1860	6930
13...	1600	3850	2050	21300
25...	1720	1390	643	2410
26...	1315	420	671	761
MAY				
01...	1730	37	49	4.9
03...	1020	25	79	5.3
05...	1615	16	34	1.5
07...	1600	14	32	1.2
16...	1630	402	129	140
19...	1600	51	126	17
26...	1710	143	355	137
28...	1710	40	520	56
JUN				
02...	1600	9.3	221	5.5
06...	1605	7.6	120	2.5
09...	1730	6.6	44	.78
12...	1830	5.9	34	.54
19...	1740	100	816	220
24...	1530	8240	2750	61200
24...	1600	7540	2380	48500
JUL				
01...	1600	21	31	1.8
04...	1530	9.3	39	.98
07...	1600	5.6	25	.38
11...	1700	5.1	43	.59
14...	1700	4.3	28	.33
18...	1720	3.6	33	.32
21...	1730	15	44	1.8
23...	1800	276	78	58
28...	1815	65	206	36
AUG				
04...	1900	90	553	134
08...	1800	194	586	307
11...	1700	13	57	2.0
14...	1700	9.7	54	1.4
18...	1600	8.0	30	.65
22...	1700	5.1	34	.47
25...	1600	5.1	36	.50
29...	1700	5.1	42	.58

07281000 TALLAHATCHIE RIVER AT SWAN LAKE, MS

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on downstream side of left pier of highway bridge, 1.0 mi (1.6 km) southeast of Swan Lake, 3.0 mi (4.8 km) downstream from Cassidy Bayou, and 18.0 mi (29.0 km) downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi^2 (13,290 km^2), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to September 1979. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1711: 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 mi (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 mi (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 mi (6.1 km) downstream from former base gage at same datum.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), and Arkabutla Lake on Coldwater River (see station 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--41 years (1938-79), 7,534 ft^3/s (213.4 m^3/s), 19.94 in/yr (506 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 49,200 ft^3/s (1,390 m^3/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft^3/s (6.03 m^3/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

NOTE.--Records for 1980 water year will be published in a subsequent report.

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi (1.3 km) upstream from Topashaw Creek, 1.2 mi (1.9 km) south of Calhoun City, 1.5 mi (2.4 km) upstream from old channel, and 4.8 mi (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WRD Miss. 1970. 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft (68.903 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder on Topashaw Creek Canal, 2.5 mi (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records fair above 200 ft³/s and poor below. Doubtful gage-height record Oct. 1-29 and July 21 to Sept. 2 on Yalobusha River Canal. and doubtful gage height record Nov. 25 to Dec. 23 and May 24 to Sept. 25 on Topashaw Creek. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

AVERAGE DISCHARGE.--30 years, 413 ft³/s (11.70 m³/s), 18.39 in/yr (467 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 23	0800	19000	538	21.72	6.620	Mar. 20	2200	18600	872	21.14	6.443
Nov. 25	1300	*37800	1070	23.79	7.251	Mar. 28	0500	30900	875	22.76	6.937
Mar. 7	1800	31700	898	22.97	7.001	Apr. 12	0800	29300	830	22.37	6.818
Mar. 17	1000	30800	872	23.25	7.087	Apr. 13	1700	19000	538	21.82	6.651

Minimum daily discharge, 4.0 ft³/s (0.11 m³/s) Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	85	327	243	642	134	598	132	32	90	8.1	5.7
2	24	71	269	214	390	131	462	173	27	46	7.2	5.3
3	20	39	230	240	311	118	400	209	23	33	15	13
4	624	33	200	722	268	117	371	103	18	21	55	12
5	144	30	184	450	234	422	329	83	16	18	30	7.4
6	63	27	168	276	257	217	303	70	14	16	18	5.9
7	37	25	154	388	202	10400	282	58	13	14	12	5.4
8	26	23	145	452	636	14400	272	52	11	13	10	4.8
9	21	2280	137	306	4170	2140	251	44	11	12	8.5	4.5
10	62	3700	130	229	1800	594	231	40	10	11	7.5	4.2
11	36	965	123	4760	910	247	481	38	9.4	10	7.0	4.2
12	25	439	150	1580	492	5250	17900	34	8.4	9.4	6.7	4.1
13	21	199	870	823	363	2230	12800	34	7.9	8.8	6.3	4.0
14	18	160	620	420	298	883	5800	65	7.5	8.3	5.9	5.9
15	16	145	373	314	277	322	1470	57	7.6	7.9	19	5.1
16	16	133	349	272	323	1490	574	85	7.7	7.4	14	4.6
17	15	123	295	270	246	19500	321	114	6.8	7.0	10	10
18	15	115	217	396	210	6100	1480	78	90	12	8.5	15
19	14	108	175	343	199	1010	1210	55	237	9.5	7.6	10
20	13	101	160	257	287	4620	542	126	356	8.2	7.0	7.5
21	13	94	146	270	229	6410	298	64	160	8.0	6.5	6.3
22	13	327	138	4220	203	1390	229	208	50	9.0	6.1	5.6
23	50	13900	871	2570	175	548	184	500	22	22	5.8	5.2
24	29	5460	5140	1030	160	3290	151	259	1130	12	5.5	4.7
25	19	20700	1510	540	145	1120	500	133	884	8.5	5.2	6.4
26	17	12100	780	626	136	444	4300	84	300	74	8.0	38
27	15	2030	412	690	129	729	1130	54	105	30	5.7	25
28	17	790	308	423	162	19900	446	76	60	18	5.1	417
29	43	509	253	313	145	3880	245	113	71	14	25	489
30	28	401	351	552	---	2060	172	55	175	11	11	282
31	25	---	314	1490	---	963	---	39	---	9.0	6.5	---
TOTAL	1507	65112	15499	25679	13999	111059	53732	3235	3870.3	578.0	353.7	1417.8
MEAN	48.6	2170	500	828	483	3583	1791	104	129	18.6	11.4	47.3
MAX	624	20700	5140	4760	4170	19900	17900	500	1130	90	55	489
MIN	13	23	123	214	129	117	151	38	6.8	7.0	5.1	4.0
CFSM	.16	7.12	1.64	2.72	1.58	11.7	5.87	.34	.42	.06	.04	.16
IN.	.18	7.94	1.89	3.13	1.71	13.55	6.55	.39	.47	.07	.04	.17

CAL YR 1979 TOTAL 302016.0 MEAN 827 MAX 21500 MIN 6.5 CFSM 2.71 IN 36.84
WTR YR 1980 TOTAL 296041.8 MEAN 809 MAX 20700 MIN 4.0 CFSM 2.65 IN 36.11

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left (revised) bank on downstream side of bridge on State Highway 9, 1 mi (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. October 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Records fair except those for periods of doubtful gage-height record, Oct. 1-31, Mar. 21-May 8 and June 7-July 23, which are poor.

AVERAGE DISCHARGE.--33 years, 375 ft³/s (10.62 m³/s), 20.05 in/yr (509 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955, gage height, 34.11 ft (10.397 m, present datum), from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 10	1030	5340	151	16.10	4.907	Mar. 7	1800	a30100	852	26.90	8.199
Nov. 23	0700	13900	394	22.02	6.712	Mar. 12	1330	10800	306	18.62	5.675
Nov. 25	1200	a*36300	1030	28.90	8.809	Mar. 17	1400	a27700	784	26.05	7.940
Dec. 23	1800	10700	303	18.54	5.651	Apr. 12	unknown	a32800	929	b27.80	8.473
Dec. 24	1030	10200	289	18.24	5.560	Apr. 18	0600	7920	224	16.85	5.136
Jan. 11	1315	6660	189	15.96	4.865	Apr. 25	2300	6580	186	15.90	4.846
Jan. 22	1930	7900	224	16.84	5.133	June 24	1900	9660	274	17.95	5.471
Feb. 9	0400	5200	147	14.80	4.511	Sept. 28	1830	9310	264	17.74	5.407

Minimum daily discharge, 11 ft³/s (0.31 m³/s) Sept. 12, 13.

a From rating extended above 15000 ft³/s (425 m³/s).
b From recorded range in stage.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	46	241	196	400	116	500	200	33	250	16	13
2	30	56	214	169	300	117	400	150	37	150	15	13
3	28	31	195	167	250	121	300	120	35	100	14	13
4	700	25	184	639	200	130	250	100	32	80	51	17
5	200	22	173	299	170	271	220	80	26	70	34	17
6	70	22	159	198	152	253	210	74	35	60	25	14
7	40	21	145	323	129	11900	200	68	33	52	21	13
8	30	22	129	447	169	6200	190	64	30	45	20	13
9	25	2690	117	239	3980	335	180	62	26	40	20	12
10	150	3290	115	184	1460	296	170	60	24	36	23	12
11	60	728	113	2780	353	307	200	56	22	32	19	11
12	35	166	125	817	252	4740	8000	53	20	28	18	11
13	28	100	1460	333	201	1290	12000	53	18	26	17	11
14	25	80	633	248	160	600	2500	52	17	24	18	11
15	23	70	284	198	145	250	900	50	16	22	43	11
16	22	64	217	178	159	3890	400	88	15	21	22	11
17	21	60	163	195	121	23400	250	82	14	20	17	32
18	20	56	134	402	103	3160	4790	63	500	19	28	29
19	19	52	131	275	101	551	2000	54	1000	19	21	17
20	18	50	123	165	115	8970	600	75	600	18	17	15
21	17	47	116	211	120	7000	300	53	200	18	16	15
22	20	200	116	3390	118	1500	200	127	100	17	15	15
23	100	10600	4090	2280	112	700	160	138	50	25	14	15
24	40	2580	7060	1000	105	2000	130	91	4510	19	14	14
25	25	24300	1330	500	104	900	1630	67	1130	16	13	16
26	20	5400	415	500	99	600	2440	53	400	60	20	22
27	17	526	290	800	103	500	400	44	200	42	15	18
28	20	415	226	500	110	10000	200	40	150	53	13	1950
29	70	321	195	300	110	3000	800	41	110	30	12	2060
30	30	268	259	350	---	1000	300	37	500	22	13	892
31	25	---	239	632	---	700	---	34	---	18	13	---
TOTAL	1960	52308	19391	18935	9901	94797	40820	2329	9883	1432	617	5313
MEAN	63.2	1744	626	611	341	3058	1361	75.1	329	46.2	19.9	177
MAX	700	24300	7060	3390	3980	23400	12000	200	4510	250	51	2060
MIN	17	21	113	167	99	116	130	34	14	16	12	11
CFSM	.25	6.87	2.47	2.41	1.34	12.0	5.36	.30	1.30	.18	.08	.70
IN.	.29	7.66	2.84	2.77	1.45	13.88	5.98	.34	1.45	.21	.09	.78

CAL YR 1979 TOTAL 241120 MEAN 661 MAX 25400 MIN 12 CFSM 2.60 IN 35.31
WTR YR 1980 TOTAL 257686 MEAN 704 MAX 24300 MIN 11 CFSM 2.77 IN 37.74

07284500 GRENADA LAKE NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at gatehouse of dam on Yalobusha River, 2.2 mi (3.5 km) upstream from Batupan Creek, 3.0 mi (5.0 km) northeast of Grenada, and 63.6 mi (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to September 1979. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm³) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm³) is available for flood-control storage and about 85,700 acre-ft (106 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,575,600 acre-ft (1.940 hm³) Apr. 28, 1973, elevation, 234.48 ft (71.470 m); minimum since initial filling of reservoir to conservation level, 69,900 acre-ft (82.5 hm³) Dec. 4, 1962, elevation, 190.95 ft (58.202 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

190	59.0	215	549.3
195	106.5	220	747.3
200	171.8	225	986.6
205	264.3	230	1,273.8
210	389.1		

NOTE.--Records for 1980 water year will be published in a subsequent report.

07285000 YALOBUSHA RIVER AT GRENADA DAM, NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, in gatehouse of Grenada Dam, 2.2 mi (3.5 km) upstream from Batupan Creek, 2.7 mi (4.3 km) northeast of Grenada, and 63.6 mi (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi^2 (3,420 km^2), approximately.

PERIOD OF RECORD.--July 1953 to September 1979.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Flow completely regulated by Grenada Lake (see station 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--26 years, 1,868 ft^3/s (52.90 m^3/s), 19.22 in/yr (488 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,510 ft^3/s (184 m^3/s) Feb. 12, 1974; no flow at times prior to Jan. 1, 1959.

NOTE.--Records for 1980 water year will be published in a subsequent report.

07287000 YAZOO RIVER AT GREENWOOD, MS

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on left bank 110 ft (34 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mi (0.6 km) downstream from Palusha Bayou, 3.0 mi (4.8 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mi 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi^2 (19,300 km^2), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to September 1979. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), Arkabutla Lake on Coldwater River (see station 07278000), and Grenada Lake on Yalobusha River (see station 07284500). Discharge computed by combining flows of Yazoo River and Fort Pemberton cutoff since Mar. 16, 1973.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--57 years (1907-12, 1927-79), 10,315 ft^3/s (292.1 m^3/s), 18.80 in/yr (478 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,900 ft^3/s (2,060 m^3/s) Jan. 19, 1932, gage height, 40.10 ft (12.222 m); minimum, 536 ft^3/s (15.2 m^3/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1882 reached a stage of 41.2 ft (12.56 m), caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

NOTE.--Records for 1980 water year will be published in a subsequent report.

07287120 YAZOO RIVER NR SHELL BLUFF, MS
(National stream-quality accounting network station)
(National pesticide water monitoring program station)

LOCATION.--Lat 33°23'48", long 90°16'19", in NW¼ sec.26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi (2.9 km) east of Shell Bluff, 2.5 mi (4.0 km) east of intersection of county road and State Highway 7, 4.8 mi (7.7 km) east of Morgan City, and at mile 149.8 (241.0 km).

DRAINAGE AREA.--7,650 mi² (19,810 km²), approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to current year.
WATER TEMPERATURE: October 1975 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1975.

REMARKS.--Prior to July 27, 1979, specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. After July 27, 1979, and prior to June 5, 1980, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers. Pesticide analyses were performed by U.S. Environmental Protection Agency.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 119 micromhos Apr. 27, 1978; minimum, 50 micromhos or less Dec. 8-16, 1977, June 10, 1978.
WATER TEMPERATURE: Maximum, 31.0°C Aug. 26, 1978; minimum, 1.5°C Jan. 20, 21, 1978, Jan. 10-12, 15, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 200 micromhos Jan. 3, 1977; minimum, 44 micromhos Apr. 6, 1977, Mar. 25, 1979.
WATER TEMPERATURE: Maximum, 31.0°C July 5-8, 15, 16, 1977; minimum, 0.0°C Jan. 18-22, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 118 micromhos July 17; minimum, 47 micromhos Apr. 16-17.
WATER TEMPERATURE: Maximum, 30.5°C July 7-8; minimum, 2.0°C Feb. 12-23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
03...	1200	13800	62	7.4	22.5	45	7.8	220	220	22	5	5.6
NOV												
08...	1000	13000	70	7.5	15.0	20	9.2	200	380	23	0	6.1
DEC												
04...	1400	18000	59	7.2	7.5	80	10.7	--	--	23	2	5.5
JAN												
09...	1100	20800	72	7.1	6.5	40	10.8	140	220	25	0	6.3
FEB												
06...	1100	E20400	68	7.8	3.5	30	12.8	K130	530	21	6	5.3
MAR												
18...	1100	25500	49	6.9	10.5	95	9.7	1200	1900	19	6	5.4
APR												
01...	1000	31200	50	6.7	12.0	32	9.1	780	820	14	0	3.7
MAY												
06...	1300	27600	78	7.3	18.0	100	7.7	K89	K46	17	0	4.4
JUN												
04...	1300	20300	52	6.1	23.5	98	8.1	K88	K130	20	2	5.0
30...	1000	E20000	60	7.3	28.0	260	4.6	400	390	19	8	4.7
JUL												
30...	1000	13600	81	7.1	25.5	55	7.0	210	220	26	2	6.6
AUG												
27...	1000	11700	71	6.8	28.5	2.2	8.7	210	K140	28	7	7.2

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT												
03...	1.9	3.4	23	.3	2.0	17	5.0	2.9	.1	5.4	41	37
NOV												
08...	2.0	4.0	25	.4	2.6	23	5.5	3.2	.1	4.0	52	42
DEC												
04...	2.3	3.1	20	.0	2.9	21	6.2	3.2	.1	4.8	47	42
JAN												
09...	2.2	3.7	29	.3	2.8	28	7.5	3.3	.1	6.0	49	50
FEB												
06...	1.9	3.9	33	.4	3.1	15	8.3	3.9	.1	6.6	50	49
MAR												
18...	1.4	3.1	24	.3	2.1	13	5.7	2.7	.1	5.2	47	35
APR												
01...	1.2	2.8	27	.3	2.0	17	4.4	1.6	.1	4.8	37	32
MAY												
06...	1.4	2.5	18	.3	5.9	15	5.4	6.6	.1	4.5	48	40
JUN												
04...	1.8	3.6	26	.4	1.8	18	6.3	2.4	.1	5.5	50	39
30...	1.8	3.2	24	.3	2.3	11	4.5	2.6	.1	5.4	54	35
JUL												
30...	2.2	3.3	19	.3	3.4	24	4.8	3.8	.1	5.9	66	46
AUG												
27...	2.5	4.5	24	.4	2.1	21	5.2	4.0	.1	6.2	54	45

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT												
03...	.06	1530	.16	.15	.040	.020	.05	.03	.42	.30	.46	.14
NOV												
08...	.07	1830	.09	.09	.040	.000	.05	.00	.36	.21	.40	.19
DEC												
04...	.06	2280	.18	.21	.080	.040	.10	.05	.53	.23	.61	.34
JAN												
09...	.07	2750	.17	.17	.100	.050	.12	.06	.77	.38	.87	.44
FEB												
06...	.07	--	.19	.21	.060	.100	.09	.13	.88	.87	.97	.00
MAR												
18...	.06	3240	.33	.34	.190	.080	.23	.10	.57	.34	.76	.34
APR												
01...	.05	3120	.26	.24	.170	.010	.21	.01	.70	.49	.87	.37
MAY												
06...	.07	3580	.24	.29	.070	.090	.08	.12	.51	.30	.58	.19
JUN												
04...	.07	2740	.35	.35	.060	.080	.07	.10	.51	.16	.57	.33
30...	.07	--	.86	.83	.110	.080	.13	.10	.99	.49	1.1	.53
JUL												
30...	.09	2420	.22	.24	.080	.030	.10	.04	.16	.18	.24	.03
AUG												
27...	.07	1710	.11	.17	.020	.040	.02	.05	.26	.33	.28	.00

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
03...	.32	.62	2.7	.100	.31	.030	0	--	--	296	11000	94
NOV												
08...	.21	.49	2.2	.070	.21	.010	--	4.0	4500	158	5550	92
DEC												
04...	.27	.79	3.5	.120	.37	.020	0	5.7	--	117	5690	94
JAN												
09...	.43	1.0	4.6	.140	.43	.040	0	--	--	133	7470	95
FEB												
06...	.97	2.1	9.4	.130	.40	.050	--	9.4	--	168	--	60
MAR												
18...	.42	1.1	4.8	.390	1.2	.040	0	9.6	890	432	29700	99
APR												
01...	.50	1.1	5.0	.350	1.1	.020	0	--	--	325	27400	92
MAY												
06...	.39	.82	3.6	.180	.55	.030	--	6.9	2800	168	12500	79
JUN												
04...	.24	.92	4.1	.220	.67	.030	0	7.3	360	215	11800	98
30...	.57	2.0	8.7	.580	1.8	.040	0	--	2000	514	--	98
JUL												
30...	.21	.46	2.0	.150	.46	.030	--	4.4	2300	112	4110	97
AUG												
27...	.37	.39	1.7	.110	.34	.030	0	5.8	1900	83	2620	99

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)
DEC									
04...	12	63	49	14	.17	.010	10	10	0

DATE	CHROMIUM, TRIVALENT (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	VANADIUM, DISSOLVED (UG/L AS V)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
DEC								
04...	20	0	.0	.00	1	0	3.00	.000

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
03...	3	0	3	100	70	30	1	0	1	20	0
DEC											
04...	2	1	1	--	--	--	0	0	0	30	10
JAN											
09...	2	0	2	100	50	50	--	--	13	410	390
APR											
01...	3	0	3	100	60	40	0	--	--	40	30
JUN											
30...	4	1	3	200	200	50	7	0	7	10	0

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
03...	20	1	0	2	6	3	3	4100	4100	30	9
DEC											
04...	20	--	--	--	5	2	3	--	--	--	10
JAN											
09...	20	0	0	0	7	0	7	3800	3700	80	4
APR											
01...	10	3	1	2	11	0	11	7300	7200	100	10
JUN											
30...	<10	7	4	3	16	7	9	18000	18000	20	15

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
03...	8	1	190	170	20	<.5	<.0	<.5	5	4	1
DEC											
04...	10	0	220	220	40	.1	.0	<.1	8	7	1
JAN											
09...	4	0	120	100	20	<.1	<.0	<.1	6	0	6
APR											
01...	8	2	210	170	40	.1	.0	.1	9	0	11
JUN											
30...	9	6	420	380	40	.2	.1	<.1	25	20	5

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
03...	0	0	0	0	0	20	10	10	4.4	1.3
DEC										
04...	0	0	0	--	--	20	20	0	--	--
JAN										
09...	0	0	0	0	0	40	0	40	4.6	1.8
APR										
01...	0	0	0	0	0	60	40	20	6.4	2.8
JUN										
30...	0	0	0	0	0	70	60	6	12	1.5

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	P,P' DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	P,P' DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV												
08...	ND	ND	--	ND	ND	ND	ND	ND	1.4	ND	.8	ND
DEC												
04...	.00	--	.0	.00	--	.0	--	.00	--	.00	--	.00
FEB												
06...	ND	--	--	ND	--	ND	--	ND	--	ND	--	ND
AUG												
27...	--	--	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	P,P' DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV												
08...	1.1	.17	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
DEC												
04...	--	.00	--	.00	--	.00	.00	--	.00	--	.00	--
FEB												
06...	--	--	--	ND	--	--	ND	--	--	--	ND	--
AUG												
27...	--	ND	--	ND	--	--	ND	--	ND	--	ND	--

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
NOV												
08...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DEC												
04...	.00	--	.00	--	.00	--	.00	--	.00	--	.00	--
FEB												
06...	ND	--	ND	--	--	--	ND	--	--	--	--	--
AUG												
27...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV												
08...	--	ND	ND	--	ND	ND	ND	ND	.49	--	ND	ND
DEC												
04...	.00	.00	--	.00	0	--	.00	--	.03	.00	.01	.00
FEB												
06...	--	--	--	--	ND	--	--	--	--	--	--	--
AUG												
27...	--	ND	--	--	ND	--	ND	--	--	--	--	--

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	NOV 8,79	MAR 18,80	MAY 6,80	JUN 4,80
TIME	1000	1100	1300	1300
TOTAL CELLS/ML	4500	890	2800	360
DIVERSITY: DIVISION	1.3	1.6	1.7	2.0
.CLASS	1.3	1.6	1.7	2.0
..ORDER	1.4	2.4	1.9	2.3
...FAMILY	1.4	2.5	2.2	2.6
....GENUS	1.5	2.8	2.7	2.8

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	14	1	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	--	-	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	--	-	100	11	200	7	39	11
....CHODATELLA	--	-	14	2	14	1	--	-
....DICTYOSPHAERIUM	--	-	--	-	220	8	--	-
....KIRCHNERIELLA	--	-	29	3	--	-	--	-
....OOCYSTIS	--	-	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	13	4
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	110	4	39	11
....SCENEDESMUS	210	5	--	-	86	3	--	-
....TETRASTRUM	--	-	--	-	170	6	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	29	3	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	14	2	14	1	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....CLOSTERIUM	--	-	71	8	--	-	--	-
....STAURASTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	51	1	29	3	29	1	--	-
....MELOSIRA	1600#	36	210#	24	500#	18	64#	18
..PENNALES								
...FRAGILARIACEAE								
....ASTERIONELLA	--	-	57	6	--	-	--	-
....SYNEDRA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
....NAVICULA	51	1	--	-	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	--	-	43	5	110	4	64#	18
.CHRYSOPHYCEAE								
..CHRYSOMONADALES								
...CHROMULINACEAE								
....CHRYSOCOCCUS	--	-	--	-	14	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	--	-	--	-	1200#	44	--	-
....COCCOCHLORIS	--	-	--	-	--	-	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	77#	21
....ANABAENOPSIS	--	-	--	-	--	-	--	-
....APHANIZOMENON	--	-	290#	32	--	-	--	-
...OSCILLATORIACEAE								
....OSCILLATORIA	2500#	55	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	13	4
....LEPOCINCLIS	--	-	--	-	14	1	--	-
....TRACHELOMONAS	100	2	--	-	86	3	51	14

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	JUN 30,80	JUL 30,80	AUG 27,80
TIME	1000	1000	1000
TOTAL CELLS/ML	2000	2300	1900
DIVERSITY: DIVISION	1.5	1.3	1.4
.CLASS	1.5	1.3	1.4
..ORDER	1.6	1.9	1.5
...FAMILY	2.4	2.6	2.4
....GENUS	3.1	3.0	2.7

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	--	-	--	-	--	-
...COELASTRACEAE						
....COELASTRUM	460#	23	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	120	6	--	-	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	--	-	210	11
...OOCYSTACEAE						
....ANKISTRODESMUS	14	1	13	1	64	3
....CHODATELLA	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	100	5	52	2	39	2
....SELENASTRUM	--	-	240	11	--	-
....TETRAEDRON	--	-	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	58	3	100	5	52	3
....SCENEDESMUS	140	7	130	6	100	5
....TETRASTRUM	--	-	--	-	--	-
..TETRASPORALES						
...COCCOMYXACEAE						
....ELAKATOTHRIX	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	13	1	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
....CLOSTERIUM	--	-	--	-	--	-
....STAURASTRUM	--	-	--	-	13	1
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	72	4	39	2	100	5
....MELOSIRA	86	4	150	7	140	7
..PENNALES						
...FRAGILARIACEAE						
....ASTERIONELLA	--	-	--	-	--	-
....SYNEDRA	--	-	13	1	--	-
...NAVICULACEAE						
....NAVICULA	--	-	--	-	--	-
...NITZSCHIACEAE						
....NITZSCHIA	43	2	13	1	--	-
.CHRYSOPHYCEAE						
..CHRYSOMONADALES						
...CHROMULINACEAE						
....CHRYSOCOCCUS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....ANACYSTIS	--	-	330	15	26	1
....COCCOCHLORIS	--	-	26	1	--	-
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	580#	29	--	-	460#	24
....ANABAENOPSIS	140	7	--	-	--	-
....APHANIZOMENON	140	7	460#	20	--	-
...OSCILLATORIACEAE						
....OSCILLATORIA	--	-	640#	28	710#	37
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	29	1	13	1	--	-
....LEPOCINCLIS	--	-	--	-	--	-
....TRACHELOMONAS	29	1	13	1	13	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	77	73	74	91	80	86	---	---	---
2	---	---	---	78	72	74	79	75	77	---	---	---
3	70	68	69	76	72	73	79	76	77	---	---	---
4	71	68	69	75	72	73	77	72	74	---	---	---
5	71	68	69	75	71	73	76	73	74	---	---	---
6	72	68	70	74	72	73	76	72	73	---	---	---
7	73	69	71	78	73	75	73	70	71	---	---	---
8	78	72	75	77	74	75	72	69	70	---	---	---
9	74	71	73	85	74	76	73	68	70	72	70	71
10	73	71	72	88	80	82	71	68	69	74	70	72
11	75	71	73	81	79	80	71	68	69	75	69	72
12	73	70	72	91	78	84	71	69	70	71	69	70
13	71	69	70	100	92	96	71	70	70	71	66	68
14	72	68	70	99	89	94	74	70	72	74	66	70
15	71	66	69	88	78	82	76	72	74	72	70	70
16	70	66	67	78	73	75	73	70	71	75	70	72
17	72	67	69	77	73	75	70	70	70	75	71	71
18	72	68	70	78	75	76	---	---	---	76	73	74
19	72	69	70	78	75	76	---	---	---	79	72	75
20	72	69	70	79	75	76	---	---	---	72	69	70
21	73	69	71	77	75	76	---	---	---	74	71	72
22	73	70	72	77	75	76	---	---	---	74	70	72
23	76	72	73	78	72	75	---	---	---	72	69	71
24	75	71	73	75	71	73	---	---	---	74	71	72
25	76	71	73	72	63	66	---	---	---	72	69	70
26	76	71	73	74	66	70	---	---	---	70	66	67
27	74	71	72	75	70	72	---	---	---	71	68	70
28	74	72	73	85	70	80	---	---	---	73	68	72
29	78	73	75	87	81	83	---	---	---	69	67	67
30	78	74	76	92	86	89	---	---	---	74	69	71
31	76	74	75	---	---	---	---	---	---	75	74	75

		FEBRUARY			MARCH			APRIL			MAY	
1	77	75	76	83	82	82	57	49	54	66	61	63
2	77	75	76	84	82	83	52	49	50	68	63	65
3	76	76	76	85	83	84	55	51	53	68	64	65
4	80	76	78	85	84	84	58	53	55	68	63	65
5	77	76	77	85	82	83	61	54	57	68	64	65
6	78	76	77	91	83	87	59	55	56	68	58	60
7	72	69	70	95	83	91	60	56	58	60	58	59
8	71	69	69	80	69	74	61	57	59	62	58	60
9	71	66	68	72	50	62	60	56	57	62	57	59
10	69	67	68	79	50	66	60	55	57	61	56	58
11	72	65	68	73	68	70	58	56	57	63	58	60
12	74	69	71	74	68	72	58	51	54	61	59	60
13	75	68	71	72	68	70	53	50	52	65	60	63
14	74	69	71	68	57	63	52	49	50	67	65	66
15	72	69	70	68	58	64	54	48	51	69	65	66
16	69	68	68	70	66	68	56	47	50	71	66	68
17	70	67	68	70	56	63	52	47	50	73	66	70
18	71	68	69	65	56	61	56	51	53	76	69	72
19	72	69	71	55	49	51	63	54	57	73	71	72
20	78	72	73	55	50	53	64	56	59	77	72	73
21	76	72	74	56	50	52	64	57	59	75	72	74
22	77	73	74	60	51	54	64	58	60	77	73	75
23	79	72	76	51	49	50	63	58	60	76	73	74
24	81	77	79	52	51	52	62	58	59	74	68	72
25	79	78	78	57	52	54	62	59	60	78	68	73
26	80	77	79	55	53	54	62	59	60	78	71	74
27	83	79	81	58	55	56	62	59	60	75	69	72
28	85	80	82	58	55	57	64	60	61	74	69	72
29	84	81	83	59	57	58	66	60	62	75	71	73
30	---	---	---	58	55	57	65	60	62	76	73	74
31	---	---	---	59	54	56	---	---	---	73	70	71

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	73	69	71	53	51	52	73	71	72			
2	71	66	69	55	53	54	77	73	75			
3	70	66	67	55	54	54	78	76	77			
4	68	66	66	57	54	55	78	76	77			
5	52	51	51	58	56	57	78	76	77			
6	52	50	51	60	57	58	79	74	76			
7	52	50	51	63	59	61	75	73	74			
8	57	53	55	66	62	64	75	73	74			
9	63	56	59	67	63	65	75	74	74			
10	71	63	67	66	63	65	75	74	75			
11	71	69	70	64	62	63	76	63	68			
12	71	68	70	69	62	64	64	62	63			
13	72	69	70	91	71	82	64	62	63			
14	69	67	68	106	92	99	65	63	64			
15	68	65	67	109	106	107	66	65	65			
16	66	63	64	115	109	112	66	64	65			
17	64	62	63	118	113	115	66	65	66			
18	67	62	64	113	109	111	66	65	66			
19	76	67	73	109	100	105	66	64	65			
20	81	73	76	102	98	100	66	65	65			
21	79	77	78	100	97	98	67	66	66			
22	78	76	77	98	92	95	66	65	66			
23	78	77	78	93	86	89	65	64	65			
24	78	61	72	89	86	87	66	65	66			
25	71	62	67	90	84	87	68	66	67			
26	72	56	61	88	77	81	68	67	67			
27	63	49	55	78	77	78	---	---	---			
28	70	52	62	78	73	75	---	---	---			
29	81	71	76	74	73	73	---	---	---			
30	84	50	51	73	72	73	---	---	---			
31	---	---	---	72	71	71	---	---	---			

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	18.5	18.0	18.5	9.0	8.5	9.0	---	---	---
2	---	---	---	18.0	17.5	18.0	8.5	8.0	8.5	---	---	---
3	23.0	23.0	23.0	17.5	17.0	17.5	8.5	8.0	8.0	---	---	---
4	23.0	22.0	22.5	17.0	16.5	17.0	8.0	7.5	7.5	---	---	---
5	21.5	21.5	21.5	16.5	16.0	16.5	8.0	7.5	7.5	---	---	---
6	21.5	21.0	21.0	16.5	16.0	16.0	8.0	7.5	8.0	---	---	---
7	21.5	20.5	21.0	16.0	15.5	15.5	8.0	7.5	8.0	---	---	---
8	21.5	20.5	21.0	16.0	14.5	15.5	8.5	8.0	8.0	---	---	---
9	21.5	21.0	21.0	15.5	15.5	15.5	8.0	7.5	8.0	6.0	6.0	6.0
10	21.0	20.0	20.5	15.5	14.5	15.0	8.0	7.5	8.0	6.0	5.5	6.0
11	20.0	19.5	20.0	14.5	14.0	14.0	8.5	7.5	8.0	7.5	6.5	7.0
12	20.0	19.0	19.5	13.5	12.5	13.0	9.0	8.5	9.0	7.5	7.0	7.0
13	20.0	19.5	19.5	12.5	12.0	12.5	9.0	9.0	9.0	7.5	6.5	7.0
14	19.5	19.0	19.0	12.5	11.5	12.0	9.0	8.5	8.5	7.5	7.0	7.0
15	19.0	18.5	18.5	12.5	11.5	12.0	8.5	8.0	8.0	7.5	7.0	7.0
16	19.0	18.0	18.5	12.5	11.5	12.0	8.0	7.5	7.5	8.0	7.5	8.0
17	19.0	18.0	18.5	12.5	12.0	12.5	7.5	7.0	7.5	8.5	8.0	8.0
18	19.5	18.5	19.0	12.5	12.0	12.5	---	---	---	9.0	8.0	8.5
19	20.0	19.0	19.5	13.0	12.5	12.5	---	---	---	9.0	8.5	8.5
20	20.5	20.0	20.0	13.5	12.5	13.0	---	---	---	8.5	8.5	8.5
21	21.0	20.0	20.5	14.0	13.0	13.5	---	---	---	9.0	8.5	8.5
22	21.0	20.5	21.0	14.0	13.5	14.0	---	---	---	8.5	8.5	8.5
23	20.5	19.5	20.0	13.5	12.0	12.5	---	---	---	8.5	7.0	8.0
24	19.5	18.5	19.0	11.5	11.5	11.5	---	---	---	7.5	7.0	7.5
25	18.5	18.0	18.0	11.5	10.0	10.5	---	---	---	7.5	7.0	7.0
26	18.5	17.5	18.0	10.0	10.0	10.0	---	---	---	7.0	7.0	7.0
27	18.5	17.5	18.0	10.0	10.0	10.0	---	---	---	7.0	7.0	7.0
28	18.5	18.0	18.0	10.5	10.0	10.0	---	---	---	7.0	6.5	6.5
29	19.0	18.0	18.5	10.0	9.5	9.5	---	---	---	6.5	6.0	6.5
30	18.5	18.0	18.5	9.5	9.0	9.0	---	---	---	6.0	5.5	6.0
31	18.5	18.5	18.5	---	---	---	---	---	---	5.5	4.0	5.0

07287120 YAZOO RIVER NR SHELL BLUFF, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.5	4.0	8.0	6.5	7.0	12.5	11.5	12.0	17.0	16.5	17.0
2	3.5	3.0	3.5	6.5	5.5	6.0	13.0	12.5	12.5	17.5	17.0	17.0
3	3.5	3.0	3.0	5.5	4.5	5.0	13.5	13.0	13.5	18.0	17.0	17.5
4	3.5	3.0	3.5	5.5	4.5	5.0	14.0	13.5	13.5	18.5	17.5	18.0
5	3.5	3.5	3.5	5.5	5.5	5.5	14.5	13.5	14.0	18.5	17.5	18.0
6	3.5	3.5	3.5	6.5	5.5	6.0	14.5	14.0	14.5	19.0	18.5	19.0
7	4.0	3.5	3.5	9.0	6.0	7.0	15.0	14.5	14.5	19.0	18.5	18.5
8	3.5	3.5	3.5	10.0	9.0	10.0	16.0	15.0	15.5	18.5	18.0	18.5
9	3.5	3.0	3.5	12.0	9.5	11.0	16.0	15.5	15.5	18.5	17.5	18.0
10	3.0	3.0	3.0	12.0	11.5	11.5	16.0	15.0	15.5	18.0	17.0	17.0
11	3.0	2.5	2.5	11.5	10.5	11.0	16.0	15.0	15.5	18.5	17.5	18.0
12	2.5	2.0	2.5	10.5	9.5	10.0	15.0	13.5	14.0	19.0	18.5	18.5
13	3.0	2.0	2.5	10.0	10.0	10.0	13.5	11.5	12.5	19.0	18.5	19.0
14	3.5	3.0	3.0	10.0	9.0	9.5	11.5	10.5	11.0	19.0	18.5	19.0
15	4.5	3.5	4.0	10.0	9.0	9.5	11.5	10.5	11.0	19.0	18.0	18.5
16	4.5	3.5	4.0	10.0	9.5	10.0	12.0	11.0	11.5	19.0	18.0	18.5
17	3.5	3.0	3.5	11.5	10.0	11.0	12.5	11.5	12.0	19.5	18.5	19.0
18	3.5	3.0	3.5	11.0	10.5	10.5	13.0	12.5	12.5	20.5	19.5	20.0
19	4.0	3.0	3.5	11.0	10.5	10.5	14.0	13.0	13.5	20.5	20.5	20.5
20	5.5	4.0	4.5	11.5	10.5	10.5	15.5	14.0	14.5	20.5	20.0	20.5
21	6.0	5.5	5.5	11.5	11.0	11.0	16.5	15.0	16.0	21.0	20.5	20.5
22	7.0	6.0	6.5	12.0	10.5	11.5	17.5	16.5	17.0	20.5	20.0	20.5
23	8.0	6.5	7.5	12.0	11.5	11.5	18.5	17.0	17.5	20.5	20.5	20.5
24	9.0	8.5	8.5	12.0	11.5	12.0	18.5	17.5	18.0	21.0	20.5	20.5
25	8.5	8.0	8.5	12.0	12.0	12.0	18.5	18.0	18.0	22.0	21.0	21.5
26	8.0	7.0	7.5	12.0	11.5	12.0	18.0	17.0	17.5	22.5	22.0	22.0
27	7.5	6.5	7.0	11.5	11.5	11.5	17.0	16.5	16.5	22.5	22.0	22.5
28	8.0	6.5	7.5	11.5	11.0	11.5	16.5	16.0	16.0	23.0	22.0	22.5
29	8.0	7.0	7.5	11.5	11.5	11.5	16.5	16.0	16.5	23.0	22.5	23.0
30	---	---	---	12.0	11.5	12.0	17.0	16.5	16.5	23.0	22.5	23.0
31	---	---	---	12.0	11.5	12.0	---	---	---	23.0	22.5	23.0

		JUNE			JULY			AUGUST		SEPTEMBER
1	23.5	23.0	23.0	29.5	28.5	29.0	28.5	27.5	28.0	
2	23.5	23.0	23.5	30.0	29.0	29.5	28.5	27.5	28.0	
3	24.0	23.5	24.0	30.0	29.5	30.0	28.5	27.5	28.0	
4	24.5	24.0	24.5	30.0	29.5	30.0	28.0	27.0	27.5	
5	24.5	23.5	24.0	30.0	29.5	30.0	28.0	27.0	27.5	
6	24.5	23.5	24.0	30.0	29.5	30.0	28.0	26.5	27.5	
7	25.0	24.0	24.5	30.5	30.0	30.0	28.5	27.5	28.0	
8	25.5	25.0	25.5	30.5	30.0	30.0	28.5	28.0	28.0	
9	25.5	25.0	25.5	30.0	29.5	29.5	29.0	28.0	28.5	
10	25.0	24.5	25.0	29.5	29.0	29.5	29.0	28.0	28.5	
11	25.0	24.5	24.5	29.0	28.5	28.5	29.0	28.0	28.5	
12	24.5	24.0	24.5	29.0	28.0	28.5	29.0	28.0	28.5	
13	25.0	24.0	24.5	29.0	28.0	28.5	29.5	28.5	29.0	
14	25.0	24.0	24.5	28.5	28.0	28.5	29.5	28.5	29.0	
15	25.0	24.0	24.5	29.0	28.0	28.5	29.5	28.5	29.0	
16	25.0	24.5	24.5	29.0	28.0	28.5	29.0	28.5	29.0	
17	25.0	24.5	25.0	29.0	28.0	28.5	29.0	28.5	29.0	
18	25.5	24.5	25.0	29.0	28.5	28.5	29.0	28.5	29.0	
19	25.5	25.0	25.5	29.0	28.0	28.5	29.0	28.0	29.0	
20	25.0	24.5	24.5	28.5	28.0	28.0	29.5	28.5	29.0	
21	25.0	24.0	24.5	28.0	27.0	27.5	29.5	28.5	29.0	
22	25.5	24.0	24.5	27.5	27.0	27.0	29.5	28.5	29.0	
23	25.5	24.5	25.0	27.0	26.5	26.5	29.0	28.0	28.5	
24	25.5	22.5	24.0	27.0	26.5	26.5	28.5	28.0	28.5	
25	24.5	23.0	23.5	28.0	27.0	27.5	29.0	28.0	28.5	
26	24.5	23.0	23.5	28.5	28.0	28.5	29.0	28.0	28.5	
27	26.0	24.5	25.5	28.5	28.0	28.5	---	---	---	
28	27.0	26.0	26.5	28.5	27.5	28.0	---	---	---	
29	28.0	27.0	27.5	28.5	27.5	28.0	---	---	---	
30	28.5	27.5	28.0	28.0	27.5	28.0	---	---	---	
31	---	---	---	28.5	27.5	28.0	---	---	---	

07287500 YAZOO RIVER AT YAZOO CITY, MS
(National water-quality surveillance system station)

LOCATION.--Lat 32°51'29", long 90°26'12", in SE¼ sec.30, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at downstream side of bridge on U.S. Highway 49 W., 1.0 mi (1.6 km) northwest of Yazoo City, and at mile 75.6 (121.6 km).

DRAINAGE AREA.--8,900 mi² (23,051 km²).

PERIOD OF RECORD.--Water years 1974 to current year.

REMARKS.--Stage-discharge relation based on intermittent discharge measurements. Samples collected 1.25 mi (2.0 km) downstream of bridge.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
03...	1500	E10000	66	7.7	23.5	7.5	49	210	127	1.2	.100
NOV											
08...	1200	E9000	74	7.6	16.0	9.1	20	100	66	.13	.060
DEC											
12...	1000	E12000	65	7.3	9.5	10.6	5	K73	64	.23	.100
JAN											
09...	1400	E14000	76	6.7	7.0	10.8	22	120	129	.21	.110
FEB											
06...	1630	E13500	84	7.8	4.0	12.5	28	K150	0	.23	.110
MAR											
18...	1200	E16500	68	6.9	12.0	9.3	39	K950	552	.34	.150
APR											
01...	1300	E22000	51	6.9	13.0	8.5	24	860	0	.24	.190
MAY											
06...	1600	E21500	68	--	19.5	7.3	20	K63	60	.26	.190
JUN											
04...	1500	E16000	61	6.7	26.0	8.0	29	K88	188	.43	.080
30...	1300	E15000	60	7.5	28.5	5.0	54	280	310	.73	.090
JUL											
30...	1200	E11500	79	7.0	26.5	6.2	15	K50	138	.31	.080
AUG											
27...	1200	E10000	80	7.3	29.0	8.3	38	K120	98	.16	.010

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
OCT											
03...	.12	--	--	--	--	--	--	5	0	20	.00
NOV											
08...	.07	.33	.39	.52	2.3	.090	.28	4	0	20	.00
DEC											
12...	.12	.59	.69	.92	4.1	.140	.43	6	0	20	.00
JAN											
09...	.13	1.1	1.2	1.4	6.2	.140	.43	4	0	30	.01
FEB											
06...	.13	.49	.60	.83	3.7	.180	.55	7	0	30	.01
MAR											
18...	.18	.74	.89	1.2	5.4	.330	1.0	15	1	80	.00
APR											
01...	.23	1.0	1.2	1.4	6.4	.420	1.3	11	1	70	.00
MAY											
06...	.23	.75	.94	1.2	5.3	.370	1.1	6	0	40	.00
JUN											
04...	.10	.64	.72	1.2	5.1	.290	.89	11	0	90	.01
30...	.11	1.2	1.3	2.0	9.0	.710	2.2	30	0	80	.00
JUL											
30...	.10	.30	.38	.69	3.1	.250	.77	13	0	20	.00
AUG											
27...	.01	.30	.31	.47	2.1	.130	.40	7	0	30	.00

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT								
03...	1	<10	20	<10	<10	160	.00	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALPHA BHC TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
03...	10	.0	.0	.0	0	.3	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
03...	.0	.0	.0	.0	.0	.0	.0	.00	0

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi (0.8 km) northwest of Sunflower, 2.5 mi (4.0 km) downstream from Jones Bayou, and 19.0 mi (30.6 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi^2 (1,987 km^2).

PERIOD OF RECORD.--October 1935 to September 1979 in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district. Prior to Oct. 1, 1972, published as Sunflower River at Sunflower, Miss.

REVISED RECORDS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(M).

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km^2) and withdrawal of an average of about 6 ft^3/s (0.17 m^3/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--44 years, 1,056 ft^3/s (29.91 m^3/s), 18.70 in/yr (475 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15,000 ft^3/s (425 m^3/s) Mar. 18, 1973, gage height, 28.37 ft (8.647 m); minimum discharge, 81 ft^3/s (2.29 m^3/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

NOTE.--Records for 1980 water year will be published in a subsequent report.

07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)
(National water-quality surveillance system station)

LOCATION.--Lat 32°29'14", long 90°49'02", on line between secs.1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi (1.0 km) downstream from U.S. Highway 61, 1.0 mi (1.6 km) northwest of Redwood, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--12,603 mi² (32,642 km²).

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to current year.
WATER TEMPERATURE: October 1978 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1978.

REMARKS.--Specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 317 micromhos Sept. 1, 1977; minimum, 51 micromhos Jan. 24, 1979.
WATER TEMPERATURE: Maximum, 30.5°C July 11, 1978; minimum, 1.5°C Jan. 13-16, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 363 micromhos Mar. 26; minimum, 50 micromhos July 5, 6.
WATER TEMPERATURE: Maximum, 31.5°C July 4-12; minimum, 4.0°C Feb. 12-14.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT											
02...	1300	11000	90	7.1	24.5	35	6.9	25	K62	K50	30
NOV											
06...	1500	13300	80	7.4	17.0	40	8.3	--	400	K190	28
DEC											
11...	1400	20200	90	7.2	9.0	50	10.5	12	K87	K73	31
JAN											
08...	1430	20400	72	6.9	7.0	65	10.9	19	120	450	26
FEB											
05...	1330	E22300	90	6.9	5.0	35	12.3	28	350	640	28
MAR											
18...	1400	E34600	88	7.2	12.0	68	9.2	42	K1000	2000	29
APR											
04...	1000	E35000	60	6.5	15.0	40	8.1	18	K180	570	16
28...	1500	39500	77	6.8	19.0	200	5.6	35	370	780	27
JUN											
03...	1700	22900	79	7.2	25.0	120	6.3	24	--	--	26
27...	1430	28900	63	6.8	26.5	290	7.3	39	680	470	21
JUL											
29...	1030	27300	89	7.0	26.0	95	5.8	17	230	K110	32
AUG											
26...	0900	14000	132	7.4	30.0	30	6.2	18	--	250	51

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT											
02...	1	7.7	2.5	5.1	26	.4	2.2	29	5.4	1.5	.1
NOV											
06...	1	7.2	2.4	4.9	26	.4	2.5	27	6.6	3.8	.1
DEC											
11...	2	8.1	2.5	4.9	31	.4	3.1	29	7.1	4.6	.1
JAN											
08...	0	6.7	2.3	4.2	31	.4	2.9	26	6.6	3.7	.1
FEB											
05...	8	7.0	2.5	4.8	25	.4	2.5	20	9.1	4.6	.1
MAR											
18...	5	7.8	2.4	3.6	20	.3	2.2	24	6.1	3.1	.1
APR											
04...	3	3.6	1.8	2.4	22	.3	1.9	13	5.3	2.2	.1
28...	0	7.1	2.2	2.8	17	.2	2.3	30	6.1	2.8	.1
JUN											
03...	18	6.8	2.2	3.5	21	.3	1.8	18	6.6	4.1	.1
27...	1	5.5	1.8	2.8	20	.3	2.2	20	4.3	2.5	.1
JUL											
29...	1	8.2	2.8	4.6	21	.4	4.1	31	5.1	4.2	.1
AUG											
26...	1	13	4.6	6.2	20	.4	2.8	50	8.5	4.1	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
OCT											
02...	6.2	50	52	.07	1490	54	--	.22	--	.010	--
NOV											
06...	5.0	60	49	.08	2160	--	.14	.17	.060	.010	.07
DEC											
11...	5.8	56	55	.08	3050	52	.22	.20	.100	.060	.12
JAN											
08...	6.0	50	49	.07	2750	44	.23	.24	.120	.110	.15
FEB											
05...	8.3	66	53	.09	3970	25	.19	.51	.080	.150	.10
MAR											
18...	5.2	60	47	.08	--	749	.48	.45	.250	.160	.30
APR											
04...	4.9	31	31	.04	--	62	.25	.26	.170	.040	.21
28...	4.7	56	48	.08	5970	18	.31	.31	.140	.000	.17
JUN											
03...	5.4	61	46	.08	3770	88	.53	.52	.040	.040	.05
27...	8.5	44	44	.06	3430	504	.71	.79	.160	.190	.19
JUL											
29...	6.8	68	57	.09	5010	197	.51	.52	.100	.030	.12
AUG											
26...	8.1	80	78	.11	3020	46	.21	.19	.020	.000	.02

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)
OCT										
02...	.01	--	.32	--	--	.33	--	--	--	--
NOV										
06...	.01	.33	.39	.39	.00	.40	.53	2.3	.120	.37
DEC										
11...	.08	.70	.34	.80	.40	.40	1.0	4.5	.130	.40
JAN										
08...	.14	.85	.35	.97	.51	.46	1.2	5.3	.190	.58
FEB										
05...	.19	.61	.00	.69	.69	.00	.88	3.9	.140	.43
MAR										
18...	.21	1.5	.23	1.7	1.3	.39	2.2	9.7	.410	1.3
APR										
04...	.05	.55	.43	.72	.25	.47	.97	4.3	.280	.86
28...	.00	.54	.65	.68	.03	.65	.99	4.4	.310	.95
JUN										
03...	.05	.69	.11	.73	.58	.15	1.3	5.6	.300	.92
27...	.24	1.4	.81	1.6	.60	1.0	2.3	10	.860	2.6
JUL										
29...	.04	.54	.21	.64	.40	.24	1.2	5.1	.310	.95
AUG										
26...	.00	.29	.20	.31	.11	.20	.52	2.3	.120	.37

DATE	PHOSPHORUS, DISSOLVED (MG/L AS P)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT										
02...	.020	4	0	30	--	.00	1500	103	3060	91
NOV										
06...	.030	--	--	--	5.6	--	--	480	17200	94
DEC										
11...	.030	5	0	10	5.4	.00	--	124	6760	97
JAN										
08...	.020	5	0	20	--	.01	--	202	11100	98
FEB										
05...	.050	7	0	50	13	.01	--	296	17800	83
MAR										
18...	.040	21	0	100	20	.00	1100	884	--	100
APR										
04...	.030	13	0	30	--	.00	--	287	--	98
28...	.060	9	0	50	9.4	.00	1500	294	31400	98
JUN										
03...	.030	9	0	30	6.1	.00	2600	215	13300	98
27...	.060	33	0	80	--	.00	730	1010	78800	97
JUL										
29...	.150	12	0	20	5.8	.00	2100	324	23900	100
AUG										
26...	.050	4	0	50	5.3	.00	2400	242	9150	100

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
02...	--	--	1	0	--	--	0	0	2	20	0
JAN											
08...	1	0	2	200	200	50	--	--	5	280	270
APR											
04...	3	1	2	100	60	40	7	0	7	30	20
JUN											
27...	4	2	2	200	200	50	2	0	2	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
OCT										
02...	20	1	0	1	5	0	7	4100	4100	50
JAN										
08...	10	0	0	2	11	0	18	4700	4700	40
APR										
04...	10	0	0	0	9	3	6	7400	7400	40
JUN										
27...	10	21	21	0	21	14	7	24000	23000	760

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)
OCT										
02...	20	--	--	80	60	20	--	--	<.5	1
JAN										
08...	3	3	0	120	110	7	.3	.0	.3	2
APR										
04...	10	9	1	170	150	20	.1	.0	.1	8
JUN										
27...	24	17	7	600	570	30	.2	.0	.2	31

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
02...	3	--	--	0	0	0	20	10	4.5	--
JAN										
08...	3	0	0	0	0	0	0	20	5.6	1.8
APR										
04...	5	0	0	0	0	0	20	10	6.9	2.3
JUN										
27...	2	0	0	0	0	0	80	0	5.2	3.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT								
02...	2	<10	<10	<10	<10	160	.00	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALPHA BHC TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
02...	10	.0	.0	.0	0	.8	.0	.0	.0	.0

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT									
02...	.0	.0	.0	.0	.0	.0	.0	.00	0

07288800 YAZOO RIVER AT REDWOOD, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	OCT 2,79		MAR 18,80		APR 28,80		JUN 3,80	
TIME	1300		1400		1500		1700	
TOTAL CELLS/ML	1500		1100		1500		2600	
DIVERSITY: DIVISION	1.0		0.0		1.5		1.8	
.CLASS	1.0		0.0		1.5		1.8	
..ORDER	1.4		0.0		1.7		2.5	
...FAMILY	1.5		0.0		2.1		2.7	
....GENUS	1.8		0.0		2.4		3.1	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...OOCYSTACEAE								
....ANKISTRODESMUS	25	2	--	-	270#	18	96	4
....CHLORELLA	*	0	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-	27	1
....OOCYSTIS	20	1	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	140	9	27	1
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	--	-	450#	17
....SCENEDESMUS	--	-	--	-	270#	18	140	5
....TETRASTRUM	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	--	-	--	-
....PLATYMONAS	30	2	--	-	--	-	--	-
...VOLVOCACEAE								
....PANDORINA	40	3	--	-	--	-	110	4
..ZYGNEMATALES								
...DESMIDIACEAE								
....EUASTRUM	*	0	--	-	--	-	--	-
....STAURASTRUM	*	0	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	61	4	--	-	140	9	82	3
....MELOSIRA	1000#	71	1100#	100	--	-	370	14
..PENNALES								
...FRAGILARIACEAE								
....SYNEDRA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
....CALONEIS	--	-	--	-	--	-	14	1
....NAVICULA	*	0	--	-	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	61	4	--	-	140	9	14	1
.CHRYSOPHYCEAE								
..CHRYSOMONADALES								
...CHROMULINACEAE								
....CHRYSOCOCCUS	--	-	--	-	--	-	14	1
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	--	-	--	-	--	-	480#	18
....COCCOCHLORIS	--	-	--	-	--	-	14	1
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	30	2	--	-	--	-	600#	23
....ANABAENOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	--	-	550#	36	--	-
....SCHIZOTHRIX	110	8	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	*	0	--	-	--	-	--	-
....PHACUS	*	0	--	-	--	-	--	-
....TRACHELOMONAS	15	1	--	-	--	-	150	6
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...CERATIACEAE								
....CERATIUM	--	-	--	-	--	-	14	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07288800 YAZOO RIVER AT REDWOOD, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	JUN 27,80	JUL 29,80	AUG 26,80
TIME	1430	1030	0900
TOTAL CELLS/ML	730	2100	2400
DIVERSITY: DIVISION	1.4	1.5	1.3
.CLASS	1.4	1.5	1.3
..ORDER	1.5	2.0	1.6
...FAMILY	1.5	2.7	2.3
....GENUS	2.1	3.0	3.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...OOCYSTACEAE						
....ANKISTRODESMUS	--	-	--	-	--	-
....CHLORELLA	--	-	--	-	--	-
....CLOSTERIOPSIS	14	2	--	-	--	-
....DICTYOSPHAERIUM	--	-	180	9	52	2
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	--	-	--	-	--	-
....SELENASTRUM	--	-	13	1	13	1
....TETRAEDRON	--	-	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	--	-	--	-	26	1
....SCENEDESMUS	58	8	230	11	--	-
....TETRASTRUM	--	-	--	-	100	4
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	--	-	39	2
....PLATYMONAS	--	-	--	-	--	-
...VOLVOCACEAE						
....PANDORINA	--	-	210	10	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
....EUASTRUM	--	-	--	-	--	-
....STAURASTRUM	--	-	--	-	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	--	-	13	1	150	6
....MELOSIRA	130#	18	240	12	480#	20
..PENNALES						
...FRAGILARIACEAE						
....SYNEDRA	--	-	26	1	13	1
...NAVICULACEAE						
....CALONEIS	--	-	--	-	--	-
....NAVICULA	14	2	--	-	39	2
...NITZSCHIACEAE						
....NITZSCHIA	--	-	--	-	100	4
.CHRYSOPHYCEAE						
..CHRYSOMONADALES						
...CHROMULINACEAE						
....CHRYSOCOCCUS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....ANACYSTIS	--	-	52	2	13	1
....COCCOCHLORIS	--	-	--	-	--	-
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	350#	47	180	9	490#	20
....ANABAENOPSIS	140#	20	260	12	--	-
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	410#	17
....OSCILLATORIA	--	-	640#	31	490#	20
....SCHIZOTHRIX	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	--	-
....PHACUS	--	-	--	-	--	-
....TRACHELOMONAS	29	4	39	2	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...CERATIACEAE						
....CERATIUM	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	123	108	113	110	98	102	96	91	93	82	81	81
2	107	93	95	110	98	103	99	95	96	82	81	82
3	93	90	92	105	98	101	99	97	98	84	81	82
4	92	88	90	102	97	99	98	93	96	111	84	90
5	91	88	89	102	98	99	93	89	91	93	84	86
6	92	89	91	102	98	100	89	87	88	84	79	80
7	94	91	92	100	96	98	88	86	87	82	60	80
8	92	88	91	100	98	99	89	87	88	260	82	84
9	91	87	89	106	98	101	88	85	87	86	84	85
10	93	90	92	209	101	122	86	84	85	87	85	86
11	96	91	94	131	96	107	84	83	84	94	86	89
12	97	93	95	124	94	105	93	83	84	159	89	102
13	96	94	95	99	92	95	151	87	99	94	87	89
14	94	92	93	101	96	97	109	92	97	88	86	87
15	96	91	93	114	101	105	99	89	92	88	85	86
16	93	90	92	114	112	113	91	88	89	86	83	85
17	93	90	91	114	109	112	89	87	88	89	86	88
18	94	87	91	108	96	103	90	87	88	91	87	89
19	92	89	90	96	88	92	88	86	87	91	88	90
20	93	90	91	91	89	90	88	86	87	92	90	91
21	93	91	92	91	88	90	86	85	85	92	91	91
22	101	92	95	96	91	91	86	84	85	114	92	102
23	254	93	123	180	95	104	90	84	86	167	99	118
24	122	93	99	185	109	121	140	87	95	102	95	97
25	95	92	93	115	99	106	133	85	94	97	93	94
26	96	94	95	150	91	104	91	81	84	93	87	90
27	97	95	96	92	85	87	89	80	83	89	86	88
28	99	95	97	85	83	84	85	81	83	90	88	89
29	138	95	102	86	83	85	83	80	82	91	88	90
30	152	97	107	91	86	89	82	80	81	92	90	91
31	104	97	100	---	---	---	82	81	81	93	91	91

		FEBRUARY			MARCH			APRIL			MAY	
1	98	93	95	114	109	112	70	66	67	73	73	73
2	94	88	89	161	111	124	67	65	66	75	73	74
3	90	88	88	124	116	119	68	66	67	85	75	78
4	90	88	89	124	116	119	70	67	68	86	81	83
5	92	90	91	126	124	125	72	70	71	82	79	80
6	93	89	91	137	127	132	72	69	70	80	79	79
7	94	92	93	139	130	137	70	69	70	81	79	80
8	102	91	94	166	130	157	72	70	71	80	71	75
9	196	94	112	161	156	159	74	72	73	76	69	72
10	113	92	102	156	138	144	73	72	73	64	63	64
11	93	85	89	139	102	118	73	72	73	59	58	59
12	87	81	83	118	91	103	85	74	79	60	58	59
13	87	81	83	200	99	116	106	77	96	60	58	59
14	88	86	87	102	92	95	98	93	96	58	56	57
15	90	88	89	93	89	92	92	81	87	71	56	62
16	91	89	90	90	86	88	81	73	76	95	60	65
17	91	89	90	135	85	97	73	70	71	125	68	79
18	95	90	91	98	86	92	70	68	69	69	60	62
19	92	90	91	85	75	81	71	68	69	70	59	60
20	92	91	91	94	71	75	71	69	70	80	59	66
21	93	91	92	131	72	87	72	70	71	71	63	66
22	93	91	92	83	70	77	71	70	70	128	66	74
23	95	93	93	70	65	67	71	70	71	117	71	79
24	96	93	94	69	66	67	72	71	72	70	66	68
25	98	94	96	79	71	76	86	72	76	68	66	67
26	106	95	99	363	66	67	105	74	86	68	66	67
27	109	104	106	91	66	70	103	88	94	66	64	66
28	106	104	104	115	69	85	88	81	84	67	65	66
29	108	106	107	97	83	88	79	74	77	66	63	65
30	---	---	---	100	72	84	74	73	73	66	63	64
31	---	---	---	85	71	77	---	---	---	69	64	66

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	70	67	69	67	64	65	97	94	96	167	145	151
2	73	68	70	78	62	65	101	97	99	169	150	167
3	74	68	72	120	81	104	105	102	104	164	152	157
4	102	75	91	122	116	120	105	104	105	172	159	167
5	103	100	102	120	50	103	106	105	106	179	171	175
6	114	104	109	52	50	51	107	105	106	189	179	183
7	113	99	105	56	52	54	111	106	108	212	192	203
8	102	100	101	56	54	55	112	110	112	212	182	196
9	101	95	98	59	56	58	115	111	113	195	181	189
10	98	92	94	63	59	62	114	112	113	198	193	196
11	97	85	90	70	60	64	118	113	116	195	187	191
12	99	91	95	87	74	78	118	116	117	187	171	176
13	104	98	101	78	76	77	118	116	116	176	171	174
14	109	103	106	82	76	80	118	108	117	177	168	175
15	116	106	111	81	73	75	104	96	98	169	167	168
16	115	113	115	84	74	80	100	97	99	168	165	166
17	119	113	116	92	84	89	---	---	---	166	162	164
18	121	119	120	97	92	94	---	---	---	163	161	163
19	123	121	122	100	96	98	---	---	---	166	163	165
20	156	123	134	102	97	100	---	---	---	166	164	165
21	124	123	123	101	90	98	---	---	---	167	166	167
22	123	121	122	125	97	100	---	---	---	168	166	167
23	123	93	115	92	54	60	---	---	---	170	163	168
24	96	85	91	64	61	63	---	---	---	166	163	164
25	154	80	105	62	55	57	---	---	---	169	166	167
26	93	74	82	68	57	63	135	133	134	166	165	166
27	72	64	68	74	68	71	139	133	136	167	164	166
28	61	55	57	76	72	74	143	139	140	166	163	165
29	59	56	57	98	96	98	154	142	147	164	161	163
30	66	59	62	94	92	93	160	153	157	169	151	154
31	---	---	---	96	93	94	169	158	162	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	24.0	24.5	21.0	20.5	20.5	9.0	9.0	9.0	8.5	8.5	8.5
2	26.0	24.5	24.5	20.0	19.5	20.0	9.0	8.5	9.0	8.0	8.0	8.0
3	25.5	24.0	24.0	19.0	19.0	19.0	8.5	8.0	8.5	8.0	7.5	8.0
4	24.5	24.0	24.0	18.5	18.0	18.0	8.5	8.0	8.0	8.0	7.5	7.5
5	24.0	23.5	23.5	18.0	17.5	17.5	8.0	8.0	8.0	7.5	7.5	7.5
6	23.5	23.0	23.0	17.0	17.0	17.0	8.5	8.0	8.0	7.5	7.0	7.0
7	23.0	22.5	23.0	17.0	16.5	17.0	8.5	8.0	8.0	7.5	7.0	7.0
8	23.0	22.5	22.5	17.0	16.0	16.5	8.0	8.0	8.0	7.0	7.0	7.0
9	23.5	22.0	23.5	17.0	16.5	16.5	8.5	8.0	8.0	7.0	7.0	7.0
10	22.5	21.5	22.0	17.0	15.5	16.0	8.5	8.0	8.0	7.5	7.0	7.0
11	22.0	21.0	21.5	15.5	15.0	15.5	9.0	8.5	8.5	8.5	7.5	8.5
12	22.0	21.0	21.5	15.0	14.0	14.5	9.5	9.0	9.5	8.5	8.5	8.5
13	22.0	21.5	21.5	14.0	13.5	14.0	10.0	9.5	9.5	8.5	8.0	8.5
14	22.0	21.0	21.0	13.5	13.0	13.0	10.0	9.5	9.5	9.0	8.5	8.5
15	20.5	20.5	20.5	13.0	12.0	12.5	9.5	9.5	9.5	9.0	8.5	9.0
16	21.0	20.5	20.5	12.5	12.0	12.0	9.5	9.0	9.5	9.5	9.5	9.5
17	21.0	20.5	21.0	12.0	12.0	12.0	9.0	8.0	9.0	9.5	9.5	9.5
18	22.0	21.0	21.0	12.5	12.0	12.0	8.0	7.5	7.5	10.0	10.0	10.0
19	22.0	21.0	21.5	13.0	12.5	12.5	7.5	7.0	7.5	10.5	10.0	10.0
20	22.0	21.5	21.5	13.5	13.0	13.5	7.0	7.0	7.0	10.5	10.0	10.0
21	23.0	22.0	22.5	14.0	13.5	13.5	7.0	7.0	7.0	11.0	10.5	11.0
22	23.0	22.5	22.5	14.0	14.0	14.0	7.5	7.0	7.5	11.0	10.5	11.0
23	22.5	22.0	22.5	14.0	13.0	13.5	8.0	7.5	7.5	11.0	11.0	11.0
24	22.5	22.0	22.0	13.0	12.0	12.5	9.0	8.5	9.0	---	---	---
25	22.0	21.5	21.5	12.0	11.0	11.5	9.5	9.0	9.0	10.0	10.0	10.0
26	---	---	---	11.0	10.5	11.0	9.5	9.5	9.5	10.0	10.0	10.0
27	21.0	21.0	21.0	11.0	10.5	10.5	10.0	9.5	9.5	10.0	10.0	10.0
28	21.0	21.0	21.0	11.0	10.5	10.5	10.0	9.5	9.5	10.0	10.0	10.0
29	21.0	21.0	21.0	10.0	10.0	10.0	9.5	9.5	9.5	9.5	9.0	9.5
30	22.0	21.0	21.5	10.0	9.0	9.5	9.0	9.0	9.0	9.0	9.0	9.0
31	22.0	22.0	22.0	---	---	---	9.0	9.0	9.0	8.0	7.0	7.5

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	6.5	6.5	10.0	9.5	10.0	13.5	13.0	13.0	19.5	19.0	19.0
2	6.5	5.5	6.0	9.5	8.5	8.5	13.5	13.0	13.5	19.5	19.0	19.5
3	5.5	5.0	5.5	8.5	8.0	8.0	14.0	13.5	13.5	20.0	19.5	19.5
4	5.5	5.0	5.0	8.0	8.0	8.0	14.5	14.0	14.0	20.5	20.0	20.0
5	5.0	5.0	5.0	8.5	8.0	8.0	15.0	14.0	14.5	21.0	20.5	20.5
6	5.5	5.0	5.0	8.5	8.0	8.0	15.5	14.5	15.0	21.5	21.0	21.5
7	5.5	5.0	5.0	9.0	8.0	8.5	16.0	15.5	15.5	21.5	21.5	21.5
8	5.5	5.0	5.5	10.5	9.0	10.0	16.5	16.0	16.5	21.5	21.0	21.5
9	5.5	5.0	5.5	11.5	10.5	11.0	17.0	16.5	16.5	21.5	21.0	21.0
10	5.0	4.5	5.0	13.0	11.5	12.0	17.0	16.5	17.0	21.0	21.0	21.0
11	4.5	4.5	4.5	14.0	13.0	13.5	17.0	16.5	17.0	21.5	21.0	21.0
12	4.0	4.0	4.0	14.0	13.5	14.0	16.5	16.5	16.5	21.5	21.5	21.5
13	4.0	4.0	4.0	14.0	13.0	13.5	16.0	15.0	16.0	21.5	21.5	21.5
14	4.5	4.0	4.5	13.0	13.0	13.0	15.0	14.0	14.5	22.0	21.5	21.5
15	5.0	4.5	5.0	13.0	12.5	12.5	13.5	13.0	13.5	22.0	21.5	21.5
16	5.5	5.0	5.5	11.5	11.0	11.0	13.5	13.0	13.0	21.5	21.0	21.0
17	5.5	5.0	5.0	11.5	11.5	11.5	13.5	13.0	13.5	21.5	21.5	21.5
18	5.5	5.0	5.5	13.0	11.5	12.0	15.0	14.5	15.0	22.0	21.0	21.5
19	6.0	5.0	5.5	12.5	11.5	12.5	15.5	15.0	15.5	22.0	22.0	22.0
20	6.5	6.0	6.0	12.5	11.5	12.0	16.5	15.5	16.0	22.5	22.0	22.5
21	7.0	6.5	7.0	12.5	12.0	12.0	17.0	16.5	17.0	23.0	23.0	23.0
22	8.0	7.0	7.5	12.5	12.0	12.5	18.0	17.0	17.5	23.5	23.0	23.0
23	9.0	8.0	8.5	12.5	12.5	12.5	19.0	18.0	18.5	23.0	23.0	23.0
24	9.5	9.0	9.5	13.0	12.5	13.0	19.5	19.0	19.5	24.0	23.0	23.5
25	10.0	9.5	9.5	13.0	12.5	13.0	20.0	19.5	20.0	24.0	23.5	24.0
26	10.0	9.5	10.0	13.0	13.0	13.0	20.0	20.0	20.0	24.5	24.0	24.0
27	10.0	10.0	10.0	12.5	12.5	12.5	20.0	19.0	19.5	25.0	24.5	24.5
28	10.5	10.0	10.0	12.5	12.5	12.5	19.0	19.0	19.0	26.5	26.0	26.0
29	10.5	10.0	10.0	13.0	13.0	13.0	19.0	18.5	19.0	26.5	26.0	26.5
30	---	---	---	13.0	13.0	13.0	19.5	19.0	19.0	26.0	26.0	26.0
31	---	---	---	13.0	13.0	13.0	---	---	---	25.5	25.0	25.0
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.0	24.5	25.0	30.5	29.0	29.5	27.0	27.0	27.0	30.0	29.5	29.5
2	25.0	25.0	25.0	30.5	30.0	30.5	27.5	26.5	26.5	31.0	29.5	30.5
3	25.0	25.0	25.0	31.0	30.5	30.5	27.0	27.0	27.0	30.0	29.5	30.0
4	25.0	25.0	25.0	31.5	30.5	31.5	27.0	27.0	27.0	30.0	29.5	29.5
5	25.0	25.0	25.0	31.5	31.0	31.0	27.0	27.0	27.0	30.0	29.5	29.5
6	25.5	25.0	25.0	31.5	31.0	31.5	27.0	27.0	27.0	30.0	29.5	29.5
7	25.5	25.0	25.5	31.5	31.0	31.0	27.0	27.0	27.0	29.5	29.0	29.5
8	25.5	25.5	25.5	31.5	30.5	30.5	27.5	27.0	27.0	30.0	29.5	29.5
9	25.5	25.0	25.0	31.5	31.0	31.0	27.5	27.0	27.0	30.0	29.5	30.0
10	25.5	25.0	25.0	31.5	31.0	31.0	27.5	27.0	27.0	30.0	30.0	30.0
11	25.5	25.0	25.5	31.5	31.0	31.0	27.5	27.0	27.5	30.0	30.0	30.0
12	26.0	25.5	25.5	31.5	30.5	30.5	27.5	27.0	27.5	30.0	29.5	29.5
13	26.0	25.5	25.5	31.0	30.5	30.5	27.5	27.0	27.5	30.0	29.5	29.5
14	26.0	25.5	25.5	30.5	30.0	30.0	27.5	27.0	27.5	30.0	29.5	29.5
15	26.0	26.0	26.0	30.0	29.5	30.0	27.5	27.0	27.5	30.0	29.5	29.5
16	26.0	26.0	26.0	30.0	29.5	30.0	27.5	27.0	27.5	30.0	29.5	29.5
17	26.5	26.0	26.0	30.0	29.5	30.0	---	---	---	29.5	29.0	29.5
18	26.5	26.0	26.0	29.5	29.0	29.5	---	---	---	29.0	28.5	28.5
19	27.0	26.0	27.0	29.0	29.0	29.0	---	---	---	28.5	28.0	28.0
20	27.5	27.5	27.5	29.0	28.0	28.5	---	---	---	28.5	28.0	28.0
21	28.0	27.0	27.5	28.5	28.0	28.0	---	---	---	28.5	28.0	28.0
22	28.0	27.0	27.5	28.5	26.0	27.5	---	---	---	28.5	28.0	28.0
23	28.5	28.0	28.0	25.0	24.5	24.5	---	---	---	28.5	28.0	28.0
24	28.0	27.0	27.5	25.0	24.5	25.0	---	---	---	28.5	28.0	28.5
25	27.0	25.5	26.5	25.5	24.5	25.0	---	---	---	28.5	27.5	28.0
26	26.5	25.5	26.0	26.0	25.0	25.5	30.0	29.5	30.0	27.5	27.0	27.0
27	26.5	26.0	26.0	26.0	25.5	26.0	30.0	29.5	30.0	27.0	26.0	26.5
28	27.5	26.5	27.0	26.0	25.5	26.0	29.5	29.0	29.5	25.5	25.0	25.5
29	28.5	27.5	28.0	26.5	26.0	26.0	29.5	29.0	29.5	25.0	24.5	25.0
30	29.5	28.0	28.5	27.0	26.5	27.0	29.5	29.0	29.5	24.5	24.0	24.0
31	---	---	---	27.0	27.0	27.0	29.5	29.0	29.5	---	---	---

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi² (2,953,90 km²), approximately. The 4,000 mi² (10,400 km²), approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1979. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; January 1968 to December 1976, referred to gage 1.1 mi (1.8 km) upstream and since January 1977 referred to gage at mile 437.0, in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747, WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder (bridge gage) operated by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since January 1977 on left bank at downstream side of Interstate 20 bridge, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft (490 m) upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mi (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge.

All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--51 years, 575,800 ft³/s (16,307 m³/s), 417,170,000 acre-ft/yr (514 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

NOTE.--Records for 1980 water year will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1975 to current year.
WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1973.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 482 micromhos Sept. 19, 1976; minimum, 259 micromhos Jan. 13, 1976.
WATER TEMPERATURE: Maximum, 31.0°C July 14-15, 1977; minimum, 0.0°C Jan. 15-27, Feb. 12, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 510 micromhos Nov. 18, 1974; minimum, 181 micromhos May 3, 1973.
WATER TEMPERATURE: Maximum, 32.0°C July 13, 1978; minimum, 2.0°C Jan. 16, Feb. 10-12, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 474 micromhos May 21; minimum, 285 micromhos Apr. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
02...	1100	702000	310	7.8	22.5	55	7.4	510	K38	130	31	35
NOV												
06...	1330	392000	420	8.2	16.0	8.0	8.2	760	1400	170	50	45
DEC												
11...	1200	915000	340	8.0	7.5	50	11.0	220	K83	140	45	39
JAN												
08...	1130	760000	350	8.0	6.0	12	11.6	170	230	140	46	39
FEB												
05...	1100	572000	343	8.0	3.5	5.0	12.9	K110	200	140	43	39
APR												
04...	1300	1270000	300	7.4	11.5	5.0	9.5	270	K81	120	46	34
28...	1300	1190000	350	7.5	15.0	44	7.7	K87	K53	130	42	36
JUN												
03...	1300	623000	340	8.0	24.5	45	8.4	210	K19	120	64	31
27...	1100	580000	430	7.8	26.0	110	8.1	390	K88	160	51	43
JUL												
29...	1300	318000	410	7.6	27.0	65	6.7	200	K69	160	41	43
AUG												
26...	1300	422000	380	7.6	29.5	18	7.7	--	1000	160	60	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT												
02...	9.3	12	22	.5	3.3	95	40	11	.2	6.5	173	179
NOV												
06...	14	24	23	.8	3.1	120	65	18	.2	5.7	277	251
DEC												
11...	10	19	29	.7	3.2	94	40	23	.2	6.6	219	203
JAN												
08...	11	13	22	.5	3.0	97	42	14	.2	7.7	196	195
FEB												
05...	11	16	26	.6	2.5	100	44	15	.2	7.0	213	201
APR												
04...	9.0	12	17	.5	2.8	76	33	17	.2	5.6	170	165
28...	10	13	17	.5	3.1	89	40	16	.2	6.0	223	184
JUN												
03...	9.6	21	28	.8	2.4	73	54	21	.2	4.8	228	193
27...	13	23	23	.8	3.4	110	50	28	.3	7.3	277	246
JUL												
29...	13	19	20	.7	3.2	120	51	18	.2	6.2	253	232
AUG												
26...	13	22	23	.8	3.6	98	71	20	.3	4.5	259	240

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT												
02...	.24	328000	.98	.93	.030	.020	.04	.03	.54	.32	.57	.23
NOV												
06...	.38	293000	.94	.92	.010	.000	.01	.00	.41	.33	.42	.09
DEC												
11...	.30	541000	1.3	1.2	.010	.020	.01	.03	.65	.38	.66	.26
JAN												
08...	.27	402000	1.4	1.5	.020	.040	.02	.05	1.1	.85	1.1	.21
FEB												
05...	.29	329000	1.4	1.4	.040	.080	.05	.10	.92	1.0	.96	.00
APR												
04...	.23	583000	1.4	1.3	.020	.000	.02	.00	.40	.39	.42	.03
28...	.30	716000	1.5	1.5	.070	.000	.08	.00	.62	.39	.69	.30
JUN												
03...	.31	384000	1.0	1.1	.010	.050	.01	.06	.41	.37	.42	.00
27...	.38	434000	2.7	2.7	.000	.010	.00	.01	.99	.49	.99	.49
JUL												
29...	.34	217000	1.4	1.4	.070	.020	.08	.03	.48	.23	.55	.30
AUG												
26...	.35	295000	.93	.95	.010	.000	.01	.00	.20	.22	.21	.00

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
02...	.34	1.6	6.9	.220	.67	.080	0	--	3400	244	462000	80
NOV												
06...	.33	1.4	6.0	.150	.46	.060	--	3.8	--	163	173000	88
DEC												
11...	.40	2.0	8.7	.180	.55	.060	0	6.7	--	338	835000	58
JAN												
08...	.89	2.5	11	.170	.52	.070	0	--	--	281	577000	68
FEB												
05...	1.1	2.4	10	.090	.28	.060	--	8.7	--	170	263000	73
APR												
04...	.39	1.8	8.1	.170	.52	.050	0	--	--	415	1420000	58
28...	.39	2.2	9.7	.090	.28	.060	--	5.2	670	280	900000	64
JUN												
03...	.42	1.4	6.3	.170	.52	.060	0	2.5	18000	172	289000	76
27...	.50	3.7	16	.390	1.2	.090	0	--	2900	407	637000	93
JUL												
29...	.25	2.0	8.6	.280	.86	.090	--	7.2	4700	346	297000	96
AUG												
26...	.22	1.1	5.0	.150	.46	.070	0	5.5	16000	193	220000	90

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
02...	2	1	1	100	50	50	0	0	2	20	0
JAN											
08...	4	2	2	100	30	70	--	--	4	20	10
APR											
04...	3	2	1	60	0	60	5	0	5	30	20
JUN											
27...	3	1	2	100	0	100	2	0	3	20	0

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
02...	20	2	1	1	8	5	3	4200	4200	30	12
JAN											
08...	10	2	1	1	30	24	6	4500	4400	150	7
APR											
04...	10	0	0	0	8	0	8	3600	3600	20	8
JUN											
27...	20	19	19	0	10	5	5	11000	11000	50	13

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
02...	0	13	220	220	1	<.5	<.0	<.5	7	6	1
JAN											
08...	7	0	210	200	6	<.1	<.0	<.1	8	6	2
APR											
04...	6	2	170	160	10	.1	.0	.1	11	3	8
JUN											
27...	6	7	310	310	3	.3	.2	<.1	19	16	3

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
02...	0	0	0	0	0	50	40	6	4.1	--
JAN										
08...	0	0	0	0	0	40	20	20	7.0	--
APR										
04...	0	0	0	0	0	30	10	20	4.1	2.2
JUN										
27...	0	0	0	0	0	50	40	10	--	--

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	OCT 2,79		APR 28,80		JUN 3,80		JUN 27,80		JUL 29,80		AUG 26,80	
TIME	1100		1300		1300		1100		1300		1300	
TOTAL CELLS/ML	3400		670		18000		2900		4700		16000	
DIVERSITY: DIVISION	1.5		1.5		1.4		1.5		1.2		1.2	
.CLASS	1.5		1.5		1.4		1.6		1.2		1.2	
..ORDER	2.0		2.1		1.9		2.2		1.3		1.8	
...FAMILY	2.4		2.6		2.1		3.0		1.3		1.8	
....GENUS	3.4		2.9		2.6		3.6		1.6		2.2	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHLOROCOCCACEAE												
....CHLOROCOCCUM	24	1	--	-	--	-	--	-	--	-	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	--	-	120	4	--	-	--	-
...HYDRODICTYACEAE												
....PEDIASTRUM	--	-	--	-	--	-	29	1	--	-	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	*	0	--	-	--	-	--	-
....MICRACTINIUM	--	-	52	8	550	3	58	2	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	*	0	65	10	*	0	43	1	*	0	--	-
....CHLORELLA	--	-	13	2	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	140	1	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	210	1	29	1	--	-	--	-
....OOCYSTIS	48	1	--	-	--	-	58	2	39	1	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-	--	-	*	0
...SCENEDESMACEAE												
....ACTINASTRUM	190	6	--	-	1400	8	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	--	-	52	1	260	2
....SCENEDESMUS	220	6	52	8	1600	9	290	10	230	5	530	3
....TETRASTRUM	--	-	--	-	270	2	230	8	100	2	--	-
..TETRASPORALES												
...COCCOMYXACEAE												
....ELAKATOTHRIX	--	-	--	-	*	0	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	-	--	-	210	1	*	0	*	0	180	1
..ZYGNEMATALES												
...DESMIDIACEAE												
....CLOSTERIUM	--	-	--	-	--	-	*	0	--	-	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....COSCINODISCUS	--	-	--	-	--	-	--	-	--	-	310	2
....CYCLOTELLA	520#	15	39	6	650	4	390	13	190	4	880	6
....MELOSIRA	730#	21	210#	31	2000	11	600#	21	690	15	2500#	16
....SKELETONEMA	320	9	--	-	--	-	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	520	3	*	0	--	-	--	-
..PENNALES												
...ACHNANTHACEAE												
....COCCONEIS	*	0	--	-	--	-	58	2	--	-	--	-
...CYMBELLACEAE												
....CYMBELLA	--	-	--	-	--	-	*	0	--	-	--	-
...FRAGILARIACEAE												
....ASTERIONELLA	--	-	--	-	240	1	--	-	--	-	--	-
....FRAGILARIA	48	1	--	-	--	-	120	4	--	-	--	-
....SYNEDRA	24	1	26	4	--	-	120	4	--	-	*	0
...NAVICULACEAE												
....NAVICULA	*	0	--	-	--	-	--	-	--	-	130	1
...NITZSCHIACEAE												
....NITZSCHIA	97	3	65	10	100	1	160	5	65	1	440	3
.CHRYSOPHYCEAE												
..CHRYSOMONADALES												
...CHROMULINACEAE												
....CHRYSOCOCCUS	--	-	--	-	--	-	*	0	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOCHRYSIDACEAE												
....CHROOMONAS	--	-	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

CONTINUED. . .

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980 (CONTINUED)

DATE	OCT 2,79		APR 28,80		JUN 3,80		JUN 27,80		JUL 29,80		AUG 26,80	
TIME	1100		1300		1300		1100		1300		1300	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....ANACYSTIS	240	7	130#	19	9000#	50	400	14	--	-	880	6
....COCCOCHLORIS	--	-	--	-	--	-	--	-	--	-	350	2
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	--	-	26	4	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE												
....OSCILLATORIA	120	4	--	-	960	5	160	5	3200#	69	9200#	58
....SCHIZOTHRIX	570#	17	--	-	--	-	--	-	--	-	--	-
...RIVULARIACEAE												
....RAPHIDIOPSIS	190	6	--	-	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	*	0	--	-	*	0	*	0	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-	--	-	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..PERIDINIALES												
...GLENODINIACEAE												
....GLENODINIUM	*	0	--	-	--	-	--	-	26	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	312	301	306	---	---	---	385	372	378	341	330	335
2	326	302	314	---	---	---	372	355	365	332	324	329
3	336	331	335	---	---	---	360	344	355	332	319	326
4	347	334	341	---	---	---	355	340	352	326	316	322
5	360	344	351	---	---	---	352	340	347	332	319	327
6	365	360	362	---	---	---	345	333	341	331	322	328
7	360	351	351	---	---	---	342	328	334	341	326	332
8	351	348	350	---	---	---	325	316	321	346	332	342
9	350	341	346	---	---	---	338	317	326	351	341	346
10	347	330	336	---	---	---	352	332	343	358	346	353
11	332	327	330	---	---	---	351	346	349	358	338	344
12	336	330	333	---	---	---	352	336	347	360	349	353
13	350	338	345	---	---	---	352	337	345	366	356	361
14	356	347	352	---	---	---	366	341	356	368	361	364
15	359	353	355	---	---	---	375	359	367	369	357	365
16	354	345	351	---	---	---	388	366	378	365	353	361
17	356	351	352	---	---	---	378	348	368	362	349	354
18	368	356	361	---	---	---	356	346	351	349	331	339
19	372	359	367	---	---	---	356	345	349	335	324	327
20	374	365	369	---	---	---	361	351	358	327	319	322
21	398	366	384	---	---	---	361	344	355	331	324	327
22	398	386	392	---	---	---	348	337	341	325	319	323
23	396	384	391	---	---	---	351	327	347	327	317	321
24	396	389	394	---	---	---	353	341	348	321	313	319
25	409	391	401	---	---	---	352	340	347	321	308	313
26	409	383	404	---	---	---	360	336	347	325	303	313
27	405	388	400	---	---	---	351	345	346	319	310	315
28	407	379	396	---	---	---	360	347	354	327	314	322
29	398	374	392	401	382	392	356	340	347	336	327	331
30	---	---	---	395	382	388	342	334	338	336	334	338
31	---	---	---	---	---	---	341	332	337	346	338	343
		FEBRUARY			MARCH			APRIL			MAY	
1	347	336	342	400	394	396	295	285	292	355	346	350
2	346	335	340	413	400	406	290	287	289	356	352	355
3	351	338	344	422	410	417	289	286	288	362	352	358
4	350	345	348	428	422	425	325	286	293	374	362	368
5	365	340	353	433	422	426	329	324	326	388	374	381
6	361	351	357	448	431	441	335	328	331	400	388	395
7	368	358	364	448	439	443	336	335	336	412	398	407
8	371	362	367	448	443	445	---	---	---	433	413	424
9	368	338	356	453	446	449	---	---	---	443	433	439
10	338	330	334	446	426	438	---	---	---	445	436	441
11	341	335	338	428	413	421	---	---	---	443	436	438
12	351	330	338	415	389	404	---	---	---	443	436	439
13	351	335	345	403	385	394	---	---	---	441	434	438
14	359	340	348	403	392	398	---	---	---	443	434	439
15	367	353	359	413	404	409	---	---	---	448	441	446
16	376	360	370	407	389	398	---	---	---	448	407	436
17	380	372	376	391	374	382	---	---	---	426	369	395
18	386	377	382	378	363	371	---	---	---	438	388	405
19	388	379	384	377	367	373	---	---	---	445	403	423
20	386	379	383	367	346	355	---	---	---	455	401	426
21	389	380	385	346	336	340	---	---	---	474	438	456
22	393	384	388	342	334	339	---	---	---	466	448	458
23	388	382	385	334	323	329	---	---	---	457	419	446
24	389	381	385	322	309	314	---	---	---	461	450	456
25	387	381	385	315	306	310	---	---	---	455	428	442
26	391	386	389	320	314	318	---	---	---	426	384	404
27	392	389	390	330	318	326	---	---	---	382	363	371
28	400	394	397	329	314	321	---	---	---	---	---	---
29	398	395	397	316	306	312	342	335	340	---	---	---
30	---	---	---	307	293	300	349	337	343	---	---	---
31	---	---	---	298	288	295	---	---	---	---	---	---

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	438	416	432	421	375	400	371	363	365
2	---	---	---	438	428	433	427	418	421	367	365	366
3	---	---	---	426	419	422	424	415	419	366	356	361
4	---	---	---	424	417	420	429	420	424	357	353	354
5	403	392	399	419	412	414	439	430	436	366	354	359
6	417	402	409	415	410	412	438	431	435	379	366	372
7	426	414	420	418	413	415	434	429	430	384	379	383
8	434	424	429	414	409	412	441	435	439	386	382	384
9	437	431	434	421	404	411	443	431	439	392	383	390
10	438	425	433	430	421	427	431	422	426	397	389	393
11	448	434	440	430	424	427	422	418	420	403	396	398
12	463	446	456	423	418	420	422	417	419	411	403	409
13	461	441	451	418	412	415	418	414	417	411	402	407
14	442	434	440	413	407	410	425	416	419	403	392	396
15	435	397	417	420	413	415	434	426	431	402	394	397
16	397	376	387	422	417	420	429	425	427	401	396	399
17	373	364	369	420	408	413	435	430	433	396	330	380
18	375	367	372	427	419	424	445	435	439	361	347	358
19	373	362	347	426	413	419	457	442	452	357	355	356
20	387	362	372	417	413	414	463	453	458	357	354	356
21	407	387	397	425	413	419	464	458	461	355	351	353
22	420	408	414	425	363	401	462	451	458	353	350	351
23	444	421	431	361	340	351	445	421	434	365	353	359
24	458	443	452	347	336	340	410	400	404	375	365	370
25	455	431	447	349	338	342	403	393	398	391	375	382
26	431	403	418	352	335	343	387	383	385	384	380	382
27	440	421	430	337	316	325	402	391	397	403	381	393
28	445	413	424	327	320	324	412	403	408	403	398	400
29	436	417	426	344	327	335	412	403	408	401	395	399
30	435	419	430	368	343	355	403	373	386	395	378	383
31	---	---	---	385	366	374	374	367	371	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	22.0	22.5				10.0	9.5	10.0	6.5	6.5	6.5
2	22.5	22.0	22.5				9.5	9.0	9.5	6.5	6.5	6.5
3	22.0	22.0	22.0				9.0	8.5	8.5	6.5	6.5	6.5
4	22.0	21.5	22.0				8.5	8.5	8.5	6.5	6.0	6.5
5	21.5	21.0	21.5				8.5	8.5	8.5	6.5	6.0	6.5
6	21.0	20.5	21.0				8.5	8.0	8.0	6.5	6.5	6.5
7	20.5	20.5	20.5				8.0	8.0	8.0	6.5	6.5	6.5
8	20.5	20.0	20.5				8.0	7.5	8.0	6.5	6.0	6.5
9	20.5	20.0	20.5				7.5	7.5	7.5	6.0	6.0	6.0
10	---	---	---				8.0	7.5	7.5	6.5	6.0	6.0
11	---	---	---				8.0	7.5	8.0	6.5	6.0	6.0
12	---	---	---				8.0	8.0	8.0	6.0	6.0	6.0
13	---	---	---				8.5	8.0	8.0	6.0	5.5	6.0
14	---	---	---				8.0	7.5	7.5	6.0	6.0	6.0
15	---	---	---				7.5	7.0	7.5	6.0	6.0	6.0
16	---	---	---				7.5	7.0	7.5	6.0	6.0	6.0
17	---	---	---				7.0	6.5	7.0	6.5	6.0	6.0
18	---	---	---				6.5	6.0	6.0	6.5	6.5	6.5
19	---	---	---				6.0	6.0	6.0	6.5	6.5	6.5
20	---	---	---				6.0	6.0	6.0	6.5	6.5	6.5
21	---	---	---				6.0	6.0	6.0	6.5	6.5	6.5
22	---	---	---				6.5	6.0	6.0	7.0	6.5	6.5
23	---	---	---				7.0	6.5	6.5	6.5	6.0	6.5
24	---	---	---				7.0	7.0	7.0	7.0	6.5	6.5
25	---	---	---				7.5	7.0	7.5	7.0	6.5	6.5
26	---	---	---				7.5	7.5	7.5	7.0	6.5	6.5
27	---	---	---				7.5	7.0	7.5	6.5	6.5	6.5
28	---	---	---				7.0	7.0	7.0	6.5	6.0	6.0
29	---	---	---				7.0	6.5	7.0	6.0	5.5	6.0
30	---	---	---				7.0	6.5	6.5	6.5	5.0	6.0
31	---	---	---				6.5	6.5	6.5	7.0	6.0	6.0

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	5.5	5.5	6.5	5.5	6.0	10.5	10.0	10.5	18.0	17.5	17.5
2	5.0	4.5	4.5	5.5	5.0	5.0	10.5	10.5	10.5	18.0	18.0	18.0
3	4.0	4.0	4.0	5.0	4.5	4.5	11.0	10.5	10.5	18.5	18.0	18.5
4	3.5	3.5	3.5	4.5	4.0	4.0	11.0	8.5	10.5	19.0	16.0	18.5
5	4.0	3.5	3.5	4.0	4.0	4.0	9.0	8.5	9.0	19.5	18.5	19.0
6	4.0	4.0	4.0	4.0	4.0	4.0	9.0	9.0	9.0	20.0	19.5	20.0
7	4.0	4.0	4.0	5.0	4.0	4.5	9.0	9.0	9.0	20.5	20.0	20.0
8	4.0	4.0	4.0	5.5	5.0	5.5	---	---	---	20.5	20.0	20.0
9	4.0	3.5	4.0	5.5	5.0	5.5	---	---	---	20.5	19.5	20.0
10	4.0	3.5	3.5	6.0	5.5	5.5	---	---	---	20.5	18.0	20.0
11	3.5	3.0	3.5	6.0	5.5	6.0	---	---	---	21.0	20.5	21.0
12	3.5	3.0	3.0	6.5	6.0	6.0	---	---	---	21.5	21.0	21.5
13	3.0	2.5	3.0	7.0	6.5	7.0	---	---	---	21.5	21.5	21.5
14	3.0	3.0	3.0	7.0	6.5	7.0	---	---	---	21.5	21.0	21.5
15	3.5	3.0	3.5	6.5	6.5	6.5	---	---	---	21.5	21.5	21.5
16	3.5	3.5	3.5	7.0	6.5	6.5	---	---	---	21.5	21.5	21.5
17	3.5	3.0	3.5	7.0	7.0	7.0	---	---	---	22.0	21.5	21.5
18	3.5	3.0	3.5	7.0	6.5	6.5	---	---	---	22.5	22.0	22.0
19	4.0	3.5	3.5	7.0	7.0	7.0	---	---	---	22.5	22.5	22.5
20	4.5	4.0	4.5	8.0	7.0	7.5	---	---	---	23.0	22.5	22.5
21	5.5	4.5	5.5	8.5	8.0	8.0	---	---	---	23.0	23.0	23.0
22	6.0	5.5	5.5	8.5	8.0	8.0	---	---	---	23.0	23.0	23.0
23	6.0	6.0	6.0	8.5	8.5	8.5	---	---	---	23.5	23.0	23.0
24	6.5	6.0	6.0	9.0	8.5	8.5	---	---	---	23.5	20.5	23.0
25	6.5	6.0	6.0	9.0	8.5	9.0	---	---	---	23.5	20.5	23.0
26	6.0	6.0	6.0	9.0	8.5	9.0	---	---	---	23.5	23.0	23.5
27	6.0	6.0	6.0	9.0	9.0	9.0	---	---	---	23.5	23.0	23.0
28	6.5	6.0	6.0	9.5	9.0	9.5	---	---	---	---	---	---
29	6.5	6.5	6.5	10.0	9.5	10.0	17.0	17.0	17.0	---	---	---
30	---	---	---	10.5	10.0	10.0	17.5	17.0	17.5	---	---	---
31	---	---	---	10.5	10.0	10.5	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	28.0	27.5	27.5	30.0	29.5	29.5	28.0	28.0	28.0
2	---	---	---	28.5	28.0	28.0	30.0	29.5	29.5	28.0	28.0	28.0
3	---	---	---	28.5	28.0	28.5	29.5	29.5	29.5	28.0	28.0	28.0
4	---	---	---	28.5	28.5	28.5	29.5	29.0	29.5	28.0	28.0	28.0
5	24.5	24.5	24.5	29.0	28.5	29.0	29.5	29.0	29.0	28.0	28.0	28.0
6	25.0	24.5	25.0	29.5	29.0	29.0	29.5	29.0	29.0	28.0	28.0	28.0
7	25.5	25.0	25.5	29.5	29.5	29.5	29.5	29.0	29.0	28.5	28.0	28.0
8	26.0	25.5	25.5	29.5	29.5	29.5	29.5	29.5	29.5	28.5	28.5	28.5
9	25.5	25.5	25.5	30.0	29.5	29.5	30.0	29.5	29.5	29.0	28.5	28.5
10	25.5	25.0	25.5	30.0	29.5	30.0	30.0	29.5	30.0	29.0	28.5	28.5
11	25.5	25.5	25.5	30.0	30.0	30.0	30.0	29.5	30.0	29.0	28.5	28.5
12	25.5	25.5	25.5	30.5	30.0	30.0	30.0	29.5	30.0	28.5	28.5	28.5
13	25.5	25.0	25.5	30.5	30.0	30.5	30.0	30.0	30.0	28.5	28.5	28.5
14	25.5	25.0	25.0	30.5	30.5	30.5	30.0	30.0	30.0	28.5	28.0	28.0
15	25.0	25.0	25.0	31.0	30.5	30.5	30.5	30.0	30.0	28.0	28.0	28.0
16	25.0	24.5	25.0	31.0	30.5	31.0	30.5	30.0	30.0	28.0	27.5	28.0
17	25.5	25.0	25.0	31.0	30.5	31.0	30.0	30.0	30.0	27.5	26.5	27.5
18	25.5	25.0	25.0	31.0	31.0	31.0	30.0	30.0	30.0	27.0	27.0	27.0
19	25.5	25.0	25.5	31.0	31.0	31.0	30.0	30.0	30.0	27.0	26.5	27.0
20	25.0	25.0	25.0	31.0	31.0	31.0	30.0	30.0	30.0	26.5	26.5	26.5
21	25.0	25.0	25.0	31.0	30.5	30.5	30.0	30.0	30.0	26.5	26.0	26.5
22	25.5	25.0	25.0	30.5	29.5	30.0	30.0	29.5	30.0	26.5	26.0	26.0
23	25.5	25.0	25.0	29.0	29.0	29.0	29.5	29.5	29.5	26.5	26.0	26.5
24	25.5	25.5	25.5	29.0	28.5	28.5	29.5	29.0	29.0	26.5	26.0	26.0
25	26.0	25.5	25.5	29.0	28.5	28.5	29.5	29.0	29.0	26.0	25.5	26.0
26	26.0	25.5	26.0	29.0	28.5	29.0	29.5	29.0	29.0	25.5	25.0	25.5
27	26.5	26.0	26.0	29.0	28.5	28.5	29.0	28.5	29.0	25.0	24.0	24.5
28	27.0	26.5	26.5	29.0	28.5	28.5	29.0	28.5	29.0	24.0	23.0	23.5
29	27.0	26.5	27.0	29.0	28.5	29.0	29.0	28.5	28.5	23.0	22.5	22.5
30	27.5	27.0	27.0	29.5	29.0	29.5	28.5	28.0	28.0	22.5	21.5	22.0
31	---	---	---	30.0	29.5	29.5	28.0	28.0	28.0	---	---	---

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near left bank on downstream side of bridge on State Highway 19, 0.2 mi (0.3 km) east of West, 5.2 mi (8.4 km) upstream from Jordan Creek, and 7.1 mi (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 1,773 ft³/s (50.21 m³/s), 24.44 in/yr (621 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973, gage height, 25.11 ft (7.654 m); minimum, 38 ft³/s (1.08 m³/s) Oct. 27, Nov. 1, 2, gage height, 1.52 ft (0.463 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft (7.343 m), 47,000 ft³/s (1,330 m³/s) at site about 2,000 ft (610 m) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	0830	*35300	1000	23.13	7.050	Apr. 14	0730	24400	691	21.93	6.684
Mar. 17	2400	23200	657	21.77	6.635	Apr. 26	2100	11500	326	19.71	6.008
Mar. 21	1400	19000	538	21.14	6.443	Apr. 28	0530	10900	309	19.57	5.965
Mar. 28	1930	20800	589	21.43	6.532	Jun. 25	0800	10900	309	19.58	5.968
Mar. 30	1100	20900	592	21.44	6.535						

Minimum discharge, 63 ft³/s (1.78 m³/s) Sept. 20, gage height, 1.81 ft (0.552 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	333	295	6210	1180	3160	484	11400	4370	271	886	159	70
2	287	379	4100	968	2900	645	8400	3300	255	442	134	68
3	252	363	3090	839	2940	617	5590	2410	239	343	120	217
4	258	295	1850	1540	3020	587	3830	1380	224	287	111	90
5	478	226	914	1660	2640	906	3030	978	215	252	105	74
6	582	189	740	1580	1950	1170	2230	783	207	228	101	81
7	427	170	690	1510	1490	1300	1460	673	196	207	99	136
8	297	167	645	1240	1450	1830	1110	622	187	191	96	84
9	231	649	585	1150	3190	1810	946	590	180	179	94	74
10	192	2990	526	1140	6490	1940	828	548	177	170	93	68
11	171	5590	487	2460	6970	2390	775	503	176	161	120	67
12	161	4370	490	3670	8440	3340	4080	475	167	151	152	66
13	155	4860	1340	4230	6910	7530	15000	459	157	143	169	65
14	140	4790	1920	5960	4530	7820	23800	450	149	136	132	64
15	125	3650	1810	7340	3350	9800	21200	606	143	130	105	64
16	118	2640	1830	5250	2680	9080	14800	1740	137	123	94	88
17	115	934	1720	3670	1840	15000	9950	2750	132	117	91	66
18	112	517	1280	2840	1240	19000	7620	2460	136	112	87	67
19	108	432	890	1890	958	16200	6400	1780	145	113	81	64
20	104	387	710	1320	834	14500	4080	1340	142	165	79	63
21	103	360	638	1150	783	17000	3300	924	187	200	79	65
22	108	506	600	2340	742	13700	2800	805	312	477	74	68
23	124	3090	632	5770	685	11500	1940	938	259	376	70	68
24	157	9870	1990	7210	623	11400	1150	731	2340	391	68	66
25	156	17300	2920	9270	566	9450	1720	598	9340	354	66	69
26	149	34300	3020	9160	497	6850	7660	498	5200	236	65	79
27	137	28900	3150	6880	443	6430	9300	439	3480	184	64	87
28	129	21000	3910	4550	416	15100	10700	405	3760	174	64	99
29	136	13600	3700	3440	416	16900	9270	358	3670	228	66	132
30	180	9340	2970	2930	---	20200	6640	319	2640	210	98	520
31	177	---	1900	3040	---	16200	---	292	---	202	81	---
TOTAL	6202	172159	57257	107177	72153	260679	201009	34524	34823	7568	3017	2889
MEAN	200	5739	1847	3457	2488	8409	6700	1114	1161	244	97.3	96.3
MAX	582	34300	6210	9270	8440	20200	23800	4370	9340	886	169	520
MIN	103	167	487	839	416	484	775	292	132	112	64	63
CFSM	.20	5.83	1.88	3.51	2.53	8.54	6.80	1.13	1.18	.25	.10	.10
IN.	.23	6.50	2.16	4.05	2.72	9.84	7.59	1.30	1.32	.29	.11	.11

CAL YR 1979 TOTAL 938657 MEAN 2572 MAX 45200 MIN 84 CFSM 2.61 IN 35.45
WTR YR 1980 TOTAL 959457 MEAN 2621 MAX 34300 MIN 63 CFSM 2.66 IN 36.24

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (91 m) upstream from Clear Creek, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) east of Bovina, 10.8 mi (17.4 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67; WDR MS-79-1: 1978(M).

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) National Geodetic Vertical Datum of 1929 or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 3,707 ft³/s (105 m³/s); 17.91 in/yr (455 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,300 ft³/s (2,360 m³/s) Apr. 16, 1979, gage height, 40.56 ft (12.363 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954, gage height, 5.98 ft (1.823 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi (10 km) upstream, reached elevations NGVD as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,100 ft³/s (1,390 m³/s) Apr. 1, gage height, 38.94 ft (11.869 m); minimum, 117 ft³/s (3.31 m³/s) Sept. 29 and 30, gage height, 6.42 ft (1.957 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8170	470	17800	4670	11600	1610	48500	16400	1370	10000	620	181
2	7320	444	26200	4700	11000	1960	46100	16200	1220	10300	566	183
3	5790	440	29000	4490	10600	2070	40700	15200	1070	10000	535	185
4	2920	457	27400	4000	10300	2340	34100	14100	1010	9230	504	178
5	1540	498	24600	3690	10200	2400	28900	13100	914	6360	484	176
6	1150	538	21500	3570	9940	2320	25000	12300	866	2520	563	174
7	934	552	18300	3600	9410	2430	21600	11600	818	1310	552	178
8	778	532	15500	3390	8320	2790	18600	10900	754	1130	467	181
9	806	511	13500	3050	10400	2810	16100	9740	715	930	409	215
10	874	689	11400	4400	11200	2900	13800	6370	673	810	376	208
11	822	894	7330	6060	11100	3150	12500	3390	632	727	370	178
12	727	1180	3520	6100	11100	5180	18500	2470	588	666	403	164
13	647	2330	6290	10400	11300	9360	19100	2070	545	624	450	164
14	588	3070	8140	10300	11700	9860	20600	1830	521	581	400	161
15	545	3450	8060	10300	12200	10200	23300	1730	504	545	385	161
16	515	3730	7760	10300	12500	11000	26400	3490	491	511	349	155
17	487	3940	7490	10400	12100	14800	27300	6730	470	481	361	153
18	470	4100	6950	10500	11300	19000	27900	8120	464	460	358	145
19	450	4080	5630	10600	10400	19800	29300	8820	504	453	334	136
20	434	3120	3820	10200	9760	20200	29000	9150	556	453	308	143
21	424	1750	2910	9540	9170	22800	26800	9330	498	484	286	153
22	424	1160	2390	11400	7980	28200	24000	11600	477	1630	267	140
23	508	3060	2060	11300	4610	33300	20700	11400	474	4870	251	132
24	467	7170	3510	12700	2690	36000	18100	10900	532	6030	238	128
25	477	6950	4370	12700	2250	34400	16200	10500	2640	5850	228	126
26	450	9790	5110	13000	2010	32500	17100	10000	5900	3910	218	124
27	406	9770	5450	13300	1830	30900	16600	7940	6850	1980	215	123
28	391	9830	5660	13800	1690	35600	16800	4110	7520	1260	206	119
29	453	10400	5580	14000	1570	36200	16900	2290	8380	1000	241	117
30	470	12300	5130	13600	---	43200	16400	1790	9300	830	198	117
31	498	---	4740	12700	---	46500	---	1520	---	700	185	---
TOTAL	40935	109205	317100	272760	250230	525780	716900	255090	57256	86635	11327	4698
MEAN	1320	3640	10230	8799	8629	16960	23900	8229	1909	2795	365	157
MAX	8170	12300	29000	14000	12500	46500	48500	16400	9300	10300	620	215
MIN	391	440	2060	3050	1570	1610	12500	1520	464	453	185	117
CFSM	.47	1.30	3.64	3.13	3.07	6.04	8.51	2.93	.68	1.00	.13	.06
IN.	.54	1.45	4.20	3.61	3.31	6.96	9.49	3.38	.76	1.15	.15	.06

CAL YR 1979 TOTAL 2674112 MEAN 7326 MAX 80900 MIN 328 CFSM 2.61 IN 35.40
WTR YR 1980 TOTAL 2647916 MEAN 7235 MAX 48500 MIN 117 CFSM 2.58 IN 35.05

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1975 to current year.
WATER TEMPERATURE: July 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also, a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 340 micromhos Aug. 24, 1978; minimum daily, 23 micromhos, Apr. 20, 1979.
WATER TEMPERATURE: Maximum daily 32.0°C July 6, 1977, July 1, 2, 9, 1978; minimum daily, 2.0°C Jan. 19-20, 1977, Jan. 15, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 336 micromhos Oct. 2, 1961; minimum, 44 micromhos Jan. 16, 1973.
WATER TEMPERATURE: Maximum, 29.5°C July 3, 1975; minimum, 6.5°C Jan. 16, 1973.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1200 micromhos Nov. 3; minimum daily, 39 micromhos Apr. 3,4, 19.
WATER TEMPERATURE: Maximum daily, 31.5°C July 16, Aug.17; minimum daily, 3.5°C Feb. 13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
04...	1200	2820	162	7.3	21.0	75	6.2	220	240	31	5	7.7
NOV												
08...	1400	528	270	7.7	15.5	20	9.8	530	K29	41	11	10
DEC												
12...	1200	3260	132	7.1	9.5	120	10.[illegible]	[illegible]	480	36	9	8.5
JAN												
09...	1600	3000	130	6.9	7.0	32	11.0	140	290	36	5	8.5
FEB												
07...	1000	9510	110	7.0	4.0	28	12.0	360	570	25	9	5.7
MAR												
18...	1600	19600	62	6.7	12.5	71	9.1	1000	1400	16	0	3.0
APR												
01...	1500	48500	40	6.7	14.0	28	8.7	610	770	12	5	3.1
MAY												
06...	1800	12200	59	7.4	19.0	80	7.8	120	140	16	4	4.1
JUN												
04...	1700	1000	165	6.8	29.0	13	7.6	K38	K19	60	0	14
30...	1600	9430	50	7.5	27.5	200	6.5	560	1900	13	5	3.1
JUL												
30...	1500	814	111	7.1	28.0	70	7.9	K44	K50	29	2	7.0
AUG												
27...	1400	213	175	7.3	30.0	3.5	8.6	K69	200	58	1	14

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT												
04...	2.8	21	56	1.6	3.5	26	4.9	29	.1	9.6	95	95
NOV												
08...	3.9	41	67	2.8	2.7	30	8.0	53	.1	16	159	153
DEC												
12...	3.5	11	48	.8	3.4	27	9.0	15	.1	12	88	79
JAN												
09...	3.6	11	49	.8	2.7	31	12	11	.1	11	81	80
FEB												
07...	2.5	9.8	55	.9	2.5	16	11	11	.1	11	70	64
MAR												
18...	1.5	4.2	33	.5	2.4	16	4.9	4.6	.1	4.0	47	36
APR												
01...	1.1	2.2	23	.3	2.7	7	3.7	3.1	.1	3.5	40	24
MAY												
06...	1.5	2.9	25	.3	1.7	12	5.6	3.2	.1	5.3	48	33
JUN												
04...	6.1	12	39	.7	1.6	65	8.8	10	.1	14	124	106
30...	1.2	3.3	31	.4	2.5	8	5.6	3.7	.1	4.7	44	31
JUL												
30...	2.9	7.9	34	.6	2.7	27	7.0	9.3	.1	11	66	65
AUG												
27...	5.7	12	30	.7	2.4	57	7.9	13	.2	12	107	102

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT												
04...	.13	723	.09	.09	.140	.090	.17	.12	.86	.74	1.0	.17
NOV												
08...	.22	227	.11	.12	.060	.000	.07	.00	.31	.38	.37	.00
DEC												
12...	.12	775	.10	.10	.110	.090	.13	.12	.64	.21	.75	.45
JAN												
09...	.11	656	.21	.21	.110	.040	.13	.05	2.0	.78	2.1	1.3
FEB												
07...	.10	1800	.14	.15	.050	.060	.06	.08	.50	.36	.55	.13
MAR												
18...	.06	2490	.16	.20	.080	.050	.10	.06	.77	.50	.85	.30
APR												
01...	.05	5240	.12	.10	.110	.000	.13	.00	.62	.37	.73	.36
MAY												
06...	.07	1580	.19	.24	.060	.100	.07	.13	.48	.35	.54	.09
JUN												
04...	.17	335	.01	.02	.020	.090	.02	.12	.34	.07	.36	.20
30...	.06	1120	.57	.48	.110	.050	.13	.06	.99	.65	1.1	.40
JUL												
30...	.09	145	.24	.26	.120	.010	.15	.01	.37	.33	.49	.15
AUG												
27...	.15	61.5	.01	.02	.030	.010	.04	.01	.23	.18	.26	.07

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
04...	.83	1.1	4.8	.230	.71	.030	0	--	--	196	1490	97
NOV												
08...	.38	.48	2.1	.110	.34	.030	--	3.8	12000	53	76	93
DEC												
12...	.30	.85	3.8	.280	.86	.020	0	6.5	--	335	2950	99
JAN												
09...	.82	2.3	10	.190	.58	.020	0	--	--	192	1560	99
FEB												
07...	.42	.69	3.1	.150	.46	.030	--	13	--	141	3620	91
MAR												
18...	.55	1.0	4.5	.300	.92	.030	0	9.3	1000	249	13200	97
APR												
01...	.37	.85	3.8	.410	1.3	.020	0	--	--	306	40100	97
MAY												
06...	.45	.73	3.2	.140	.43	.030	--	7.8	570	99	3260	93
JUN												
04...	.16	.37	1.6	.140	.43	.040	0	5.5	25000	--	--	--
30...	.70	1.7	7.4	.510	1.6	.030	0	--	1300	367	9340	94
JUL												
30...	.34	.73	3.2	.220	.67	.040	--	5.3	11000	67	147	100
AUG												
27...	.19	.27	1.2	.100	.31	.030	0	4.6	58000	--	--	--

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
04...	3	0	3	100	30	70	1	0	3	20	0
JAN											
09...	2	0	2	100	40	60	--	--	11	20	0
APR											
01...	3	0	3	50	20	30	6	0	6	30	20
JUN											
30...	3	2	1	100	70	30	6	1	5	10	0

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
04...	20	2	1	1	8	3	5	6700	6600	120	9
JAN											
09...	20	1	1	0	7	2	5	5800	5600	240	8
APR											
01...	10	0	0	1	14	9	5	7200	7100	90	8
JUN											
30...	<10	6	6	0	11	5	6	16000	16000	90	14

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
04...	8	1	470	200	270	<.5	<.0	<.5	7	3	4
JAN											
09...	8	0	230	130	100	.1	.0	<.1	6	2	4
APR											
01...	7	1	210	160	50	.1	.0	.1	9	0	18
JUN											
30...	6	8	340	260	80	.2	.1	<.1	18	14	4

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
04...	0	0	0	0	0	30	10	20	7.4	2.6
JAN										
09...	0	0	0	0	0	40	0	40	5.4	2.4
APR										
01...	0	0	0	0	0	40	40	0	4.9	2.6
JUN										
30...	0	0	0	0	0	60	60	0	8.2	2.7

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	NOV 8,79	MAR 18,80	MAY 6,80	JUN 4,80
TIME	1400	1600	1800	1700
TOTAL CELLS/ML	12000	1000	570	25000
DIVERSITY: DIVISION	1.3	1.5	1.4	1.2
.CLASS	1.3	1.5	1.4	1.2
..ORDER	1.6	2.0	1.6	1.7
...FAMILY	2.4	2.3	2.3	2.0
....GENUS	3.2	2.7	2.7	3.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...CHLOROCOCCACEAE								
....CHLOROCOCCUM	630	5	--	-	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	--	-	--	-
....MICRACTINIUM	--	-	--	-	110#	20	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	1600	14	120	12	43	7	1600	7
....CHLORELLA	--	-	--	-	--	-	*	0
....CHODATELLA	--	-	--	-	14	2	--	-
....CLOSTERIOPSIS	63	1	--	-	--	-	--	-
....DICTYOSPHAERIUM	1000	8	270#	27	--	-	8400#	34
....GLOEOCYSTINIUM	--	-	--	-	--	-	960	4
....KIRCHNERIELLA	700	6	--	-	43	7	--	-
....OOCYSTIS	--	-	--	-	--	-	320	1
....SELENASTRUM	320	3	--	-	--	-	240	1
....TETRAEDRON	63	1	--	-	--	-	--	-
....TREUBARIA	--	-	--	-	14	2	160	1
....WESTELLA	--	-	--	-	--	-	1500	6
...SCENEDESMACEAE								
....ACTINASTRUM	1000	8	--	-	--	-	320	1
....CRUCIGENIA	--	-	--	-	--	-	--	-
....SCENEDESMUS	1100	9	55	5	57	10	--	-
....TETRASTRUM	--	-	--	-	--	-	960	4
..CLADOPHORALES								
...CLADOPHORACEAE	--	-	--	-	--	-	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	--	-	--	-	--	-
...PALMELLACEAE								
....SPHAEROCYSTIS	--	-	--	-	--	-	640	3
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CARTERIA	--	-	--	-	--	-	160	1
....CHLAMYDOMONAS	380	3	--	-	--	-	320	1
..ZYGNEMATALES								
...DESMIDIACEAE								
....STAURASTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	440	4	27	3	57	10	400	2
....MELOSIRA	250	2	82	8	--	-	160	1
..PENNALES								
...ACHNANTHACEAE								
....ACHNANTHES	--	-	14	1	--	-	--	-
...NAVICULACEAE								
....NAVICULA	63	1	--	-	--	-	*	0
...NITZSCHIACEAE								
....NITZSCHIA	380	3	140	14	29	5	560	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

CONTINUED ...

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980 (CONTINUED)

DATE	NOV 8,79		MAR 18,80		MAY 6,80		JUN 4,80	
TIME	1400		1600		1800		1700	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	--	-
....ANACYSTIS	3900#	32	250#	24	200#	35	6400#	26
....COCCOCHLORIS	--	-	--	-	--	-	--	-
....DACTYLOCOCCOPSIS	--	-	--	-	--	-	*	0
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	--	-
....ANABAENOPSIS	--	-	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....OSCILLATORIA	--	-	--	-	--	-	960	4
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	55	5	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	63	1	--	-	--	-	*	0
....PHACUS	--	-	--	-	--	-	*	0
....TRACHELOMONAS	--	-	--	-	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	JUN 30,80	JUL 30,80	AUG 27,80
TIME	1600	1500	1400
TOTAL CELLS/ML	1300	11000	58000
DIVERSITY: DIVISION	1.1	1.3	0.9
.CLASS	1.1	1.3	0.9
..ORDER	1.2	1.9	1.1
...FAMILY	2.3	2.8	1.2
....GENUS	0.0	3.5	2.2

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	--	-	60	1	--	-
...CHLOROCOCCACEAE						
....CHLOROCOCCUM	--	-	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	750	1
...MICRACTINIACEAE						
....GOLENKINIA	--	-	*	0	--	-
....MICRACTINIUM	--	-	560	5	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	29	2	180	2	*	0
....CHLORELLA	--	-	--	-	--	-
....CHODATELLA	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	60	1	--	-
....DICTYOSPHAERIUM	--	-	100	1	--	-
....GLOEOACTINIUM	--	-	--	-	--	-
....KIRCHNERIELLA	86	6	--	-	*	0
....OOCYSTIS	14	1	60	1	--	-
....SELENASTRUM	--	-	260	2	370	1
....TETRAEDRON	--	-	--	-	*	0
....TREUBARIA	--	-	--	-	--	-
....WESTELLA	--	-	160	1	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	320	3	--	-
....CRUCIGENIA	--	-	640	6	3000	5
....SCENEDESMUS	57	4	1200	12	3900	7
....TETRASTRUM	--	-	320	3	--	-
..CLADOPHORALES						
...CLADOPHORACEAE	57	4	--	-	--	-
..TETRASPORALES						
...COCCOMYXACEAE						
....ELAKATOTHRIX						
...PALMELLACEAE	--	-	60	1	--	-
....SPHAEROCYSTIS						
..VOLVOCALES	--	-	160	1	--	-
...CHLAMYDOMONADACEAE						
....CARTERIA						
....CHLAMYDOMONAS	--	-	--	-	--	-
..ZYGNEMATALES	--	-	120	1	*	0
...DESMIDIACEAE						
....STAURASTRUM	--	-	--	-	*	0
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	14	1	240	2	840	1
....MELOSIRA	29	2	220	2	1400	2
..PENNALES						
...ACHNANTHACEAE						
....ACHNANTHES	--	-	--	-	--	-
...NAVICULACEAE						
....NAVICULA	--	-	--	-	--	-
...NITZSCHIACEAE						
....NITZSCHIA	29	2	120	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

CONTINUED ...

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980 (CONTINUED)

DATE TIME	JUN 30,80 1600		JUL 30,80 1500		AUG 27,80 1400	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	--	-	11000#	20
....ANACYSTIS	--	-	830	8	33000#	56
....COCCOCHLORIS	--	-	--	-	1100	2
....DACTYLOCOCCOPSIS	--	-	--	-	--	-
..NORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	110	9	--	-	1700	3
....ANABAENOPSIS	140	11	2900#	27	--	-
....APHANIZOMENON	240#	18	--	-	--	-
...OSCILLATORIACEAE						
....OSCILLATORIA	430#	32	2000#	19	--	-
...RIVULARIACEAE						
....RAPHIDIOPSIS	72	5	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	*	0	--	-
....PHACUS	--	-	--	-	--	-
....TRACHELOMONAS	14	1	*	0	*	0
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...GLENODINIACEAE						
....GLENODINIUM	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07290000 BIG BLACK RIVER NR BOVINA, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	325	53	85	63	230	44	54	152	51	125	180
2	80	240	46	90	70	300	40	52	152	50	128	180
3	---	1200	42	85	68	300	39	50	153	53	137	180
4	133	800	42	115	65	200	39	54	153	60	138	180
5	140	310	42	150	80	220	40	54	154	72	150	180
6	190	360	40	120	110	210	42	52	154	95	165	165
7	220	375	42	110	110	220	45	54	155	100	170	165
8	190	350	45	110	140	160	44	60	154	110	150	180
9	220	380	50	120	125	160	51	75	154	122	145	180
10	230	400	56	110	87	165	57	108	156	130	150	180
11	240	320	85	110	77	175	65	140	155	140	180	175
12	250	490	130	90	75	175	93	140	220	150	220	200
13	205	165	210	70	70	120	75	132	156	155	220	180
14	260	118	90	65	67	95	70	145	156	160	190	175
15	325	120	90	65	67	80	55	152	---	165	170	170
16	440	100	90	60	67	77	56	160	157	170	175	165
17	520	90	90	58	70	64	49	145	156	170	160	180
18	450	90	80	58	67	60	44	109	156	175	165	170
19	300	95	93	65	72	56	39	87	156	180	200	170
20	270	100	110	70	73	63	42	80	200	185	170	170
21	270	95	115	70	75	75	41	82	200	190	160	180
22	340	113	115	75	90	65	45	100	200	190	160	180
23	360	150	130	75	150	51	47	87	180	75	160	170
24	360	200	140	73	180	50	50	85	180	68	160	175
25	360	95	150	65	190	50	52	88	210	68	165	170
26	500	80	130	60	200	50	71	89	90	78	160	170
27	240	70	110	58	200	45	64	93	65	84	165	170
28	200	60	87	52	190	54	63	133	50	84	169	175
29	230	60	83	50	210	49	56	130	48	95	170	180
30	330	54	90	53	---	54	60	143	54	100	175	175
31	325	---	90	55	---	48	---	150	---	112	170	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.0	7.5	9.0	5.0	11.0	14.0	18.0	25.5	26.0	29.0	27.0
2	20.5	15.0	7.0	7.5	5.0	7.0	15.0	18.0	25.5	26.5	29.0	28.0
3	---	16.5	7.0	8.0	5.0	7.0	10.5	18.0	25.5	27.0	29.5	28.0
4	---	14.5	6.5	7.0	5.0	8.0	15.5	20.0	26.0	27.0	29.0	27.5
5	---	13.5	6.5	6.0	5.0	10.0	15.5	18.5	26.0	28.0	29.0	28.0
6	---	14.0	7.5	9.0	5.0	8.0	16.0	18.0	27.0	29.0	28.5	28.0
7	19.5	14.0	6.0	7.5	4.5	13.0	17.0	20.0	28.0	29.5	29.0	27.5
8	20.0	14.0	6.5	6.5	5.0	12.0	18.0	20.0	28.5	29.5	29.5	22.5
9	21.0	16.0	6.5	6.5	5.5	12.0	17.0	19.5	27.0	30.0	30.5	22.5
10	19.5	14.5	7.0	7.0	5.0	13.0	17.5	19.0	25.0	30.5	29.5	25.0
11	18.0	12.0	8.5	11.0	4.0	13.0	18.0	20.0	25.0	30.5	29.5	27.0
12	19.0	12.0	11.5	10.0	4.0	13.5	16.0	21.5	28.0	31.0	29.5	27.0
13	20.0	12.0	12.0	11.0	3.5	12.5	14.0	22.5	28.0	31.0	30.0	27.5
14	19.0	11.5	11.5	11.5	5.0	11.5	13.0	22.0	28.0	31.0	30.0	28.0
15	18.0	10.0	10.0	10.0	6.0	11.0	13.0	22.0	---	31.0	30.0	27.5
16	18.0	10.0	10.0	11.0	6.0	14.0	12.5	21.0	26.5	31.5	30.0	27.5
17	18.5	10.0	8.0	12.0	5.0	15.0	14.0	20.5	26.5	30.5	31.5	---
18	18.5	10.0	7.5	12.0	4.5	11.5	14.0	19.5	28.0	31.0	30.0	---
19	19.5	10.0	7.0	11.0	6.0	12.0	14.0	20.5	28.0	30.0	30.0	---
20	21.5	10.5	7.0	12.0	7.0	14.0	14.0	21.0	26.0	29.5	30.0	---
21	22.5	12.0	8.0	11.5	9.0	13.0	15.5	21.0	26.0	29.0	29.5	---
22	23.0	12.0	9.0	12.0	10.5	13.0	17.0	22.5	26.5	28.0	29.5	---
23	20.0	10.5	10.5	10.0	11.0	13.5	18.0	20.0	27.5	25.0	28.5	---
24	18.0	9.5	11.0	9.0	12.5	14.0	18.0	21.0	28.0	25.0	28.5	---
25	17.0	10.0	10.0	9.5	12.0	14.0	19.0	22.5	27.0	25.5	28.0	---
26	18.5	9.0	10.0	10.0	10.5	14.0	19.0	22.5	24.0	26.5	28.0	---
27	16.0	9.5	10.0	9.0	11.0	14.0	18.0	23.0	24.0	27.0	27.5	---
28	17.5	10.0	10.0	9.0	11.5	14.0	17.0	24.0	25.0	27.5	27.0	25.0
29	18.5	10.0	10.5	8.5	12.5	14.0	17.0	24.5	26.5	27.5	26.0	24.5
30	18.0	8.0	9.0	8.0	---	15.0	17.5	24.5	26.0	28.0	26.0	23.5
31	19.0	---	9.0	7.0	---	13.0	---	25.0	---	29.0	27.0	---

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 mi (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.096 m) National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--19 years, 912 ft³/s (25.83 m³/s), 18.97 in/yr (482 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,800 ft³/s (1,810 m³/s) Apr. 13, 1980, gage height, 28.16 ft (8.583 m); minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*);

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 11	Unknown	25000	780	Unknown		Mar. 30	1245	42900	1215	26.63	8.117
Feb. 10	0200	23000	651	23.59	7.190	Apr. 13	0230	*63800	1807	28.16	8.583
Mar. 17	2215	33600	952	25.72	7.839	Apr. 26	1630	23000	651	23.62	7.199
Mar. 21	1000	22100	626	23.23	7.081	May 16	2045	15100	428	19.30	5.883
Mar. 28	1630	23600	668	23.85	7.269						

Minimum discharge, 41 ft³/s (1.16 m³/s) Sept. 24; minimum gage height, 2.84 ft (0.866 m) Sept. 24 and Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	120	251	313	1740	351	3800	730	275	104	152	62
2	88	110	215	273	884	549	2240	640	256	98	222	70
3	82	104	190	256	615	451	2280	580	237	93	150	83
4	78	98	172	384	515	354	2030	525	222	90	116	60
5	74	93	161	440	469	1250	1420	480	211	88	82	53
6	72	89	157	318	732	923	1140	450	200	85	89	56
7	70	88	152	270	681	572	1350	419	188	85	83	51
8	69	85	141	249	587	512	2230	386	182	297	70	50
9	67	119	131	251	17400	541	1980	364	178	249	67	49
10	63	900	122	295	16600	424	1090	342	167	150	64	49
11	61	449	121	25000	5950	351	1070	320	157	118	68	46
12	60	244	513	6000	2490	1300	30300	302	152	96	69	44
13	59	157	11300	1500	1310	2870	45500	292	145	86	77	43
14	59	124	8450	950	1000	698	17100	302	139	82	81	43
15	58	111	3110	660	846	431	4870	455	136	78	108	43
16	58	104	1320	600	763	711	2310	6830	131	74	83	47
17	57	102	726	1000	660	23400	1380	8850	126	72	68	143
18	57	102	530	920	568	12100	1380	3750	129	78	67	69
19	56	101	422	700	519	2730	2260	4000	167	592	67	55
20	55	98	375	530	494	11100	1100	2340	233	131	61	51
21	54	93	336	470	472	18300	848	2060	157	215	60	52
22	53	105	315	12000	445	4840	734	10800	143	263	55	48
23	120	4850	334	8000	408	2210	661	2410	138	244	51	45
24	86	3400	1590	3700	379	2810	595	1040	168	152	50	42
25	68	7810	1510	2000	351	1860	1140	711	226	138	50	46
26	64	4040	746	1400	316	1440	19700	578	161	1240	52	62
27	62	1860	471	1050	296	4380	8610	487	132	358	53	48
28	60	703	375	805	288	21000	3750	416	119	807	55	77
29	390	398	328	677	285	18200	1100	361	114	224	68	101
30	200	305	381	599	---	37000	840	326	108	136	64	547
31	150	---	364	1510	---	12100	---	297	---	104	62	---
TOTAL	2650	26962	35309	73120	58063	185758	164808	51843	5097	6627	2464	2235
MEAN	85.5	899	1139	2359	2002	5992	5494	1672	170	214	79.5	74.5
MAX	390	7810	11300	25000	17400	37000	45500	10800	275	1240	222	547
MIN	53	85	121	249	285	351	595	292	108	72	50	42
CFSM	.13	1.38	1.74	3.61	3.07	9.18	8.41	2.56	.26	.33	.12	.11
IN.	.15	1.54	2.01	4.17	3.31	10.58	9.39	2.95	.29	.38	.14	.13

CAL YR 1979 TOTAL 562902 MEAN 1542 MAX 39500 MIN 53 CFSM 2.36 IN 32.07
WTR YR 1980 TOTAL 614936 MEAN 1680 MAX 45500 MIN 42 CFSM 2.57 IN 35.03

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mi (0.6 km) upstream from McCall Creek, and 0.8 mi (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi^2 (470 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) National Geodetic Vertical Datum of 1929. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--Records good, except for period of no gage height record, Oct. 6 to Nov. 20, which are fair.

AVERAGE DISCHARGE.--42 years, 265 ft^3/s (7.505 m^3/s), 19.99 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft^3/s (1,570 m^3/s) Apr. 13, 1974, gage height, 19.53 ft (5.95 m); minimum discharge, 26 ft^3/s (0.74 m^3/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft^3/s (0.79 m^3/s) Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 9,000 ft^3/s (255 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 11	1015	13700	388	9.99	3.045	Mar. 29	2315	18200	515	11.74	3.578
Jan. 22	1900	10700	303	8.58	2.615	Apr. 12	1015	*19700	558	12.29	3.746
Feb. 9	1815	18100	513	11.72	3.572	Apr. 13	1145	9910	281	8.19	2.496
Mar. 28	0400	15700	445	10.84	3.304	Apr. 26	0400	12600	357	9.50	2.896

Minimum daily discharge, 45 ft^3/s (1.27 m^3/s) Sept. 22, 23, 24.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	56	78	120	324	172	604	214	117	60	90	50
2	58	52	71	117	202	162	551	210	109	60	64	90
3	56	51	69	123	165	136	792	206	103	58	80	56
4	56	50	64	139	142	136	447	152	103	54	69	52
5	54	50	62	132	142	210	296	132	101	52	56	52
6	53	50	60	126	222	179	234	120	98	52	54	50
7	52	49	60	129	158	162	430	123	95	52	54	50
8	51	49	54	132	152	165	430	117	90	101	52	49
9	51	60	52	152	9670	148	282	115	88	67	50	50
10	52	620	49	162	3050	139	187	103	85	54	50	49
11	51	220	49	7390	872	129	187	95	83	52	176	49
12	50	110	56	1180	558	129	12100	90	80	50	60	47
13	50	70	4780	447	447	124	5640	88	78	49	54	47
14	49	62	1660	273	381	120	1710	88	78	49	101	47
15	48	56	413	194	344	115	816	90	78	47	60	49
16	48	53	234	187	310	123	558	2590	76	80	54	47
17	48	51	172	349	255	1770	447	2520	73	85	52	50
18	48	51	123	324	230	526	545	590	71	54	52	50
19	47	50	126	187	214	424	453	375	95	76	52	49
20	47	50	117	145	198	3610	329	459	158	71	50	47
21	48	49	112	132	183	2840	264	344	90	95	52	49
22	52	64	115	4210	169	872	222	1130	80	176	50	45
23	60	507	117	2700	155	624	191	430	83	169	49	45
24	50	381	413	645	142	880	165	259	90	67	49	45
25	49	2160	310	413	136	617	832	214	95	78	49	52
26	48	590	187	365	120	526	5890	191	73	67	50	93
27	48	172	148	315	117	2220	785	169	69	56	54	52
28	47	115	129	238	117	7850	447	155	67	56	54	49
29	47	95	126	198	120	5530	319	139	67	52	52	80
30	48	83	126	183	---	5900	251	129	62	50	52	165
31	50	---	126	897	---	1020	---	123	---	54	50	---
TOTAL	1576	6076	10258	22304	19295	37560	36404	11760	2635	2143	1891	1705
MEAN	50.8	203	331	719	665	1212	1213	379	87.8	69.1	61.0	56.8
MAX	60	2160	4780	7390	9670	7850	12100	2590	158	176	176	165
MIN	47	49	49	117	117	115	165	88	62	47	49	45
CFSM	.28	1.13	1.84	3.99	3.69	6.73	6.74	2.11	.49	.38	.34	.32
IN.	.33	1.26	2.12	4.61	3.99	7.76	7.52	2.43	.54	.44	.39	.35

CAL YR 1979 TOTAL 157719 MEAN 432 MAX 12000 MIN 47 CFSM 2.40 IN 32.60
WTR YR 1980 TOTAL 153607 MEAN 420 MAX 12100 MIN 45 CFSM 2.33 IN 31.75

07292500 HOMOCHITTO RIVER AT ROSETTA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi (1.3 km) downstream from Foster Creek, and 4.0 mi (6.4 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955.

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft (28.770 m) National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; December 1976 to April 1978, near right bank on downstream side of Illinois Central Railroad bridge, 800 ft (240 m) upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--29 years, 1,114 ft³/s (31.55 m³/s), 20.17 in/yr (512 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s (4,250 m³/s) Apr. 13, 1974, from rating curve extended above 47,000 ft³/s (1,330 m³/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Dec. 13	2245	18800	532	14.93	4.551	Apr. 12	1215	52500	1490	19.82	6.041
Feb. 9	2200	*54200	1530	20.01	6.099	Apr. 13	1445	36800	1040	17.87	5.447
Mar. 21	0145	19200	544	15.00	4.572	Apr. 26	0645	24000	680	15.89	4.843
Mar. 28	0630	54000	1530	19.99	6.093	May 16	1715	19700	558	15.10	4.602
Mar. 29	2400	49800	1410	19.52	5.950						

Minimum discharge, 232 ft³/s (6.57 m³/s) Aug. 23, 24, Sept. 14, 15, gage height 7.88 ft (2.40 m).

NOTE.--Minimum daily discharge for water year 1979 (not previously published), 214 ft³/s (6.06 m³/s) Nov. 5, 1978.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	385	552	723	539	2350	946	4450	805	594	340	407	253
2	365	346	668	512	1210	937	5090	788	580	335	378	295
3	346	295	638	492	993	676	7290	1780	566	330	325	424
4	335	281	630	512	865	616	3550	928	559	310	384	330
5	325	281	566	505	788	779	2200	847	552	290	310	315
6	315	281	566	473	946	882	1570	723	552	286	305	320
7	315	280	566	455	882	707	1690	683	545	290	305	341
8	310	280	559	448	676	955	2600	683	545	620	276	305
9	305	280	539	470	27900	779	2400	638	539	410	267	276
10	300	350	525	520	21100	653	1210	601	505	340	262	271
11	295	2000	486	15000	6570	601	983	525	473	300	276	258
12	295	1000	467	5200	4180	573	27600	480	448	290	390	244
13	300	630	7580	1650	2950	566	24400	455	461	280	430	253
14	290	490	8610	1300	2320	518	9740	448	461	270	660	236
15	290	440	3370	960	1930	473	5060	467	467	260	401	267
16	295	410	1650	920	1720	467	3290	4950	467	980	310	253
17	300	390	1000	1900	1390	6600	2320	11500	467	813	276	271
18	300	370	850	1700	1180	3670	2260	4300	467	325	262	330
19	300	360	780	1100	1090	1530	2900	2320	486	262	244	290
20	300	350	747	780	1030	9220	1460	3270	1050	330	249	262
21	300	410	715	700	955	10200	1070	1730	1310	315	244	253
22	315	505	699	8800	882	3910	856	6490	460	645	249	253
23	373	1650	723	7000	813	2100	730	2760	475	993	236	240
24	351	2780	2210	2100	755	2800	616	1280	500	573	236	249
25	335	5790	1900	1600	699	2300	566	1000	580	430	249	240
26	335	4300	974	1500	638	1460	11800	946	490	401	262	315
27	341	1720	763	1400	601	7820	4300	821	400	320	271	395
28	341	1120	668	1200	594	32800	2010	739	380	413	285	290
29	346	989	616	1100	601	16900	1250	676	380	330	281	295
30	356	805	594	980	---	23400	946	616	360	290	271	865
31	455	---	566	4280	---	6570	---	609	---	300	262	---
TOTAL	10114	29655	41948	66096	88608	142408	136207	54858	16119	12591	9563	9189
MEAN	326	989	1353	2132	3055	4594	4540	1770	537	406	308	306
MAX	455	5790	8610	15000	27900	32800	27600	11500	1310	993	660	865
MIN	290	280	467	448	594	467	566	448	360	260	236	236
CFSM	.44	1.32	1.80	2.84	4.07	6.13	6.05	2.36	.72	.54	.41	.41
IN.	.50	1.47	2.08	3.28	4.39	7.06	6.76	2.72	.80	.62	.47	.46

CAL YR 1979 TOTAL 718921 MEAN 1970 MAX 49600 MIN 239 CFSM 2.63 IN 35.66
WTR YR 1980 TOTAL 617356 MEAN 1687 MAX 32800 MIN 236 CFSM 2.25 IN 30.62

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1975 to June 1979, March 1980 to current year.
WATER TEMPERATURE: February 1975 to June 1979, March 1980 to current year.

REMARKS.--Water temperature is determined by a local observer; also, a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Oct. 4, 1977, Aug. 5, 1978; minimum daily, 20 micromhos June 8, 1975.
WATER TEMPERATURE: Maximum daily, 35.0°C Aug. 1, 4, 9, 1976 and on many days during summer 1978; minimum daily 4.0°C Jan. 20, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 300 micromhos July 29, 1970; minimum daily, 22 micromhos Feb. 24, 1979.
WATER TEMPERATURE: Maximum, 33.0°C Sept. 9, 1970; minimum daily, 5.0°C Jan. 28, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum daily, 38.0°C July 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
03...	1300	347	93	6.7	24.0	6.0	6.1	220	260	16	0	3.9
NOV												
05...	1400	281	82	6.9	17.0	6.0	8.7	<10	--	14	4	3.6
DEC												
12...	1200	478	87	6.7	11.5	3.0	8.7	K144	K19	13	0	3.1
JAN												
09...	1330	E470	65	6.8	9.5	14	8.9	1100	1700	12	0	3.0
FEB												
06...	1300	848	--	7.0	10.0	5.0	9.6	K130	K150	5	0	.9
MAR												
04...	1130	618	72	6.8	7.5	7.5	10.3	100	K51	13	0	3.1
APR												
01...	1330	3880	30	6.8	12.0	60	8.6	240	110	8	6	1.8
MAY												
06...	1300	744	78	6.8	24.0	17	6.4	K6	<10	12	5	3.0
JUN												
06...	1000	574	105	7.0	28.0	6.1	6.0	135	K29	14	0	3.3
JUL												
02...	1400	434	106	7.1	33.0	5.2	5.8	K26	<5	14	0	3.5
AUG												
01...	1100	440	102	7.3	29.0	14	6.7	K77	K26	15	2	3.6
SEP												
09...	1030	276	89	7.0	28.0	.50	7.1	120	K32	13	0	3.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT												
03...	1.5	11	58	1.2	1.4	17	1.2	15	.0	15	59	61
NOV												
05...	1.3	11	60	1.3	1.5	10	2.5	18	.0	15	66	59
DEC												
12...	1.2	9.5	69	1.2	1.3	23	2.5	16	.0	14	56	62
JAN												
09...	1.2	8.1	66	1.0	1.3	20	2.9	11	.0	13	56	53
FEB												
06...	.6	2.7	51	.5	.7	5	2.9	4.7	.0	10	34	26
MAR												
04...	1.2	8.7	57	1.1	1.3	15	3.9	14	.1	13	61	54
APR												
01...	.8	3.9	48	.6	1.1	2	3.7	5.1	.0	11	34	29
MAY												
06...	1.2	8.6	57	1.1	1.4	7	2.6	13	.0	14	48	49
JUN												
06...	1.3	15	68	1.8	1.2	15	2.6	22	.1	13	--	68
JUL												
02...	1.3	12	62	1.4	1.4	16	2.2	22	.1	14	68	66
AUG												
01...	1.4	11	59	1.2	1.6	13	1.9	18	.1	15	61	61
SEP												
09...	1.4	10	59	1.2	1.5	14	1.7	18	.1	15	79	60

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT												
03...	.08	55.3	--	.37	.030	.040	.04	.05	--	.23	--	.00
NOV												
05...	.09	50.1	.03	.05	.030	--	.04	--	.18	--	.21	.00
DEC												
12...	.08	72.3	.06	.08	.010	.020	.01	.03	.17	.15	.18	.01
JAN												
09...	.08	--	.07	.08	.030	.010	.04	.01	.89	.37	.92	.54
FEB												
06...	.05	77.8	.10	.10	.100	.100	.13	.13	.21	.12	.31	.09
MAR												
04...	.08	102	.26	.09	.100	.050	.12	.06	.05	.08	.17	.00
APR												
01...	.05	356	.09	.07	.030	.010	.04	.01	.24	.21	.27	.05
MAY												
06...	.07	96.4	.05	.12	.020	.020	.02	.03	.72	.70	.74	.39
JUN												
06...	.14	105	.03	.05	.020	.000	.02	.00	.42	.11	.44	.33
JUL												
02...	.09	79.7	.01	.03	.010	.020	.01	.03	.28	.21	.29	.06
AUG												
01...	.08	72.5	.06	.06	.030	.060	.04	.08	.12	.08	.15	.00
SEP												
09...	.11	58.9	.07	.09	.000	.020	.00	.03	.22	.15	.22	.05

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
03...	.27	--	--	.020	.06	.010	0	--	--	62	58	81
NOV												
05...	--	.24	1.1	.020	.06	.020	--	2.0	--	41	31	76
DEC												
12...	.17	.24	1.1	.010	.03	.010	0	2.0	--	45	58	32
JAN												
09...	.38	.99	4.4	.030	.09	.010	0	--	--	155	--	78
FEB												
06...	.22	.46	2.0	.030	.09	.020	--	4.1	--	90	206	81
MAR												
04...	.13	.43	1.9	.030	.09	.010	0	1.7	420	100	167	36
APR												
01...	.22	.36	1.6	.090	.28	.000	0	--	--	348	3650	96
MAY												
06...	.72	.79	3.5	.020	.06	.030	--	4.5	980	56	112	82
JUN												
06...	.11	.47	2.1	.020	.06	.010	0	3.5	1700	36	56	73
JUL												
02...	.23	.30	1.3	.120	.37	.030	0	--	1700	31	36	78
AUG												
01...	.14	.21	.92	.040	.12	.030	--	1.6	810	54	64	85
SEP												
09...	.17	.29	1.3	.070	.06	.070	0	3.4	1100	58	43	85

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
OCT											
03...	2	1	1	100	60	40	0	0	1	20	0
JAN											
09...	1	1	0	100	50	50	--	--	5	20	10
APR											
01...	1	0	1	<50	<10	40	0	0	0	20	10
JUL											
02...	1	0	1	<50	<0	50	0	0	0	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
03...	20	0	0	0	2	0	2	1000	740	260	4
JAN											
09...	10	2	0	3	6	2	4	2100	2000	130	14
APR											
01...	10	0	0	0	3	1	2	3500	3300	160	3
JUL											
02...	10	0	0	0	3	0	3	740	630	110	1

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
03...	3	1	90	0	90	<.5	<.0	<.5	2	0	2
JAN											
09...	14	0	160	50	110	.1	.0	.1	3	1	2
APR											
01...	3	0	120	50	70	.1	.0	.1	4	4	0
JUL											
02...	1	0	60	10	50	.5	.2	.3	52	52	0

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
03...	0	0	0	0	0	10	0	10	2.4	--
JAN										
09...	0	0	0	0	0	30	10	20	5.4	1.6
APR										
01...	0	0	0	0	0	460	450	8	6.6	1.8
JUL										
02...	0	0	0	0	0	10	10	0	7.9	.3

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	MAR 4,80		MAY 6,80		JUN 6,80		JUL 2,80		AUG 1,80		SEP 9,80	
TIME	1130		1300		1000		1400		1100		1030	
TOTAL CELLS/ML	420		980		1700		1700		810		1100	
DIVERSITY: DIVISION	1.0		1.4		1.2		1.3		1.3		1.2	
.CLASS	1.0		1.4		1.3		1.3		1.3		1.2	
..ORDER	1.3		1.9		1.3		1.8		1.7		1.5	
...FAMILY	2.3		2.2		2.1		2.8		2.6		2.1	
....GENUS	2.3		2.6		2.6		3.3		2.6		2.1	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	--	-	78	5	--	-	--	-
...HYDRODICTYACEAE												
....PEDIASTRUM	--	-	--	-	--	-	--	-	90	11	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	--	-	13	1	--	-	--	-
....MICRACTINIUM	--	-	--	-	14	1	--	-	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	5	1	58	6	300#	18	120	7	--	-	180#	17
....CHLORELLA	--	-	--	-	--	-	26	2	--	-	--	-
....CHODATELLA	--	-	29	3	29	2	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	58	6	43	3	39	2	--	-	--	-
....KIRCHNERIELLA	--	-	72	7	43	3	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	130	8	160	9	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	26	2	--	-	--	-
...SCENEDESMACEAE												
....SCENEDESMUS	160#	37	58	6	520#	31	470#	27	120	14	540#	51
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	10	2	220#	22	14	1	190	11	--	-	39	4
..ZYGNEMATALES												
...DESMIDIACEAE												
....COSMARIUM	5	1	--	-	--	-	--	-	--	-	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	10	2	14	1	--	-	13	1	--	-	--	-
..PENNALES												
...FRAGILARIACEAE												
....SYNEDRA	20	5	--	-	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE												
....GOMPHONEMA	91#	21	--	-	14	1	--	-	--	-	--	-
...NAVICULACEAE												
....NAVICULA	10	2	14	1	--	-	13	1	39	5	26	2
....PINNULARIA	--	-	--	-	--	-	--	-	13	2	--	-
...NITZSCHIACEAE												
....NITZSCHIA	120#	27	43	4	86	5	26	2	52	6	140	13
.CHRYSOPHYCEAE												
..CHRYSOMONADALES												
...CHROMULINACEAE												
....CHRYSOCOCCUS	--	-	--	-	14	1	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	--	-	--	-	13	1	--	-	13	1
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	460#	27	--	-	--	-	--	-
....ANACYSTIS	--	-	400#	41	--	-	13	1	64	8	100	10
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	--	-	--	-	--	-	210	12	>10#	25	--	-
...OSCILLATORIACEAE												
....OSCILLATORIA	--	-	--	-	--	-	260#	15	>30#	29	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....PHACUS	--	-	--	-	--	-	--	-	--	-	13	1
....TRACHELOMONAS	--	-	14	1	14	1	13	1	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..PERIDINIALES												
...GLENODINIACEAE												
....GLENODINIUM	--	-	--	-	--	-	26	2	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	40	64	99		85	88
2						---	41	64	99		100	88
3						---	55	50	112		77	78
4						75	45	60	98		83	78
5						80	50	68	98		77	83
6						73	53	70	---		83	85
7						75	55	53	---		85	83
8						80	50	53	---		85	83
9						75	60	53	---		95	---
10						75	55	53	---		85	---
11						78	58	80	---		85	---
12						80	24	83	---		74	---
13						80	22	80	---		85	87
14						80	27	80	---		70	90
15						82	36	80	---		77	87
16						85	43	48	---		79	90
17						44	50	34	---		95	95
18						58	50	40	---		85	85
19						65	45	56	---		90	90
20						67	56	50	---		90	95
21						34	60	62	---		90	90
22						43	63	38	---		90	90
23						50	65	55	---		90	90
24						46	67	72	---		90	93
25						52	70	87	---		90	170
26						55	34	85	---		82	95
27						60	34	90	---		88	75
28						25	44	97	---		88	80
29						29	55	87	---		88	90
30						22	59	95	---		88	85
31						35	---	100	---		88	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	20.0	25.0	28.0	38.0	30.0	30.0
2						---	18.0	26.0	28.0	---	34.0	30.0
3						---	17.0	24.0	29.0	---	30.0	30.0
4						16.0	20.0	24.0	30.0	---	30.0	29.0
5						20.0	20.0	25.0	30.0	---	32.0	26.0
6						18.0	21.0	24.0	31.0	---	30.0	30.0
7						20.0	20.0	25.0	31.0	28.0	30.0	30.0
8						22.0	22.0	23.0	31.0	---	35.0	29.0
9						23.0	20.0	24.0	---	---	34.0	---
10						24.0	21.0	25.0	---	30.0	35.0	---
11						25.0	21.0	26.0	---	30.0	32.0	---
12						22.0	17.0	26.0	30.0	---	34.0	---
13						18.0	15.0	27.0	30.0	---	32.0	32.0
14						17.0	14.0	27.0	30.0	---	30.0	30.0
15						21.0	22.0	26.0	30.0	---	30.0	31.0
16						20.0	20.0	26.0	30.0	---	32.0	27.0
17						18.0	20.0	21.0	30.0	---	30.0	28.0
18						17.0	19.0	25.0	30.0	---	32.0	28.0
19						15.0	20.0	23.0	30.0	---	32.0	30.0
20						16.0	22.0	24.0	30.0	---	30.0	30.0
21						17.0	24.0	24.0	30.0	---	32.0	30.0
22						19.0	27.0	24.0	30.0	---	32.0	30.0
23						17.0	25.0	25.0	30.0	---	30.0	30.0
24						18.0	25.0	26.0	28.0	---	30.0	30.0
25						18.0	24.0	27.0	30.0	---	30.0	30.0
26						17.0	21.0	29.0	30.0	---	28.0	30.0
27						15.0	18.0	27.0	32.0	---	28.0	26.0
28						16.0	17.0	28.0	32.0	---	30.0	27.0
29						19.0	20.0	28.0	32.0	---	29.0	28.0
30						16.0	22.0	27.0	30.0	---	25.0	28.0
31						20.0	---	29.0	---	---	30.0	---

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi (2.4 km) downstream from Fords Creek, 2.8 mi (4.5 km) west of Wilkinson, and 8.5 mi (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records fair above 300 ft³/s (8.50 m³/s) and poor below.

AVERAGE DISCHARGE.--38 years, 274 ft³/s (7.760 m³/s), 20.44 in/yr (519 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973, gage height, 22.3 ft (6.80 m) from floodmarks, from rating curve extended above 35,000 ft³/s (990 m³/s); minimum, 16 ft³/s (0.45 m³/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft³/s (312 m³/s) and maximum (*).

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 27	1900	21700	615	15.70	4.785	Apr. 12	1345	12900	365	13.42	4.090
Mar. 28	0600	*31400	889	17.65	5.380	Apr. 13	1300	11700	331	13.04	3.975
Mar. 29	1815	21400	606	15.64	4.767						

Minimum discharge, 29 ft³/s (0.821 m³/s) Sept. 14, gage height 4.58 ft (1.396 m).

NOTE.--Minimum discharge for water year 1979 (not previously published), 34 ft³/s (0.96 m³/s) Oct. 29, 30, Nov. 3, 4, 1978.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	70	68	85	258	554	634	142	117	90	45	37
2	45	49	65	81	183	221	1110	142	108	85	39	55
3	43	48	61	81	146	150	1400	211	102	82	40	82
4	41	48	61	79	108	131	479	150	93	74	40	47
5	41	48	61	74	111	177	324	111	82	67	39	53
6	41	46	61	72	150	131	264	102	77	65	37	99
7	40	45	59	70	85	131	287	96	70	63	33	102
8	39	43	56	75	497	174	264	96	67	74	33	61
9	37	51	54	83	5700	152	205	99	72	70	33	44
10	34	163	54	1200	1160	124	152	85	70	59	34	39
11	33	70	54	3700	488	121	121	74	57	59	44	34
12	33	51	59	500	366	121	4050	72	53	57	47	31
13	34	48	2160	240	303	121	5060	67	57	53	47	33
14	36	46	811	150	264	102	1590	65	51	49	93	33
15	34	45	287	140	242	99	670	67	53	47	57	45
16	36	45	198	450	284	99	470	105	47	44	44	36
17	34	43	136	400	245	833	385	5290	45	44	45	31
18	34	43	99	200	190	618	435	2600	49	49	42	31
19	33	43	93	130	168	307	1670	544	49	74	39	31
20	34	43	87	110	152	1690	435	845	414	108	36	33
21	33	43	81	1800	131	1970	324	544	168	108	36	33
22	34	45	91	1500	124	583	280	730	105	196	36	33
23	46	142	151	400	114	402	252	475	350	320	34	34
24	41	134	758	250	111	1210	227	310	736	102	36	36
25	36	1160	218	220	105	535	211	264	331	79	37	36
26	33	273	140	200	96	479	350	242	214	121	36	42
27	32	140	115	185	99	7450	221	205	162	65	34	47
28	34	99	103	172	102	12000	180	177	131	87	36	45
29	37	83	97	165	111	7710	157	157	108	57	36	42
30	39	74	97	245	---	3990	142	142	99	47	36	93
31	81	---	89	833	---	1030	---	128	---	44	39	---
TOTAL	1193	3281	6524	13890	12093	43415	22349	14337	4137	2539	1263	1398
MEAN	38.5	109	210	448	417	1400	745	462	138	81.9	40.7	46.6
MAX	81	1160	2160	3700	5700	12000	5060	5290	736	320	93	102
MIN	32	43	54	70	85	99	121	65	45	44	33	31
CFSM	.21	.60	1.15	2.46	2.29	7.69	4.09	2.54	.76	.45	.22	.26
IN.	.24	.67	1.33	2.84	2.47	8.87	4.57	2.93	.85	.52	.26	.29

CAL YR 1979 TOTAL 128779 MEAN 353 MAX 15000 MIN 32 CFSM 1.94 IN 26.32
WTR YR 1980 TOTAL 126419 MEAN 345 MAX 12000 MIN 31 CFSM 1.90 IN 25.84

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202 near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--30 years, 907 ft³/s (25.69 m³/s), 21.24 in/yr (540 mm/yr).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Nov. 26	0700	5020	142	10.55	3.216	Mar. 18	1900	8080	229	12.79	3.898
Dec. 14	0700	5390	153	10.86	3.310	Mar. 28	1919	*47500	1350	19.59	5.971
Jan. 12	0200	8500	241	13.06	3.981	Apr. 14	1115	21800	617	17.05	5.197
Jan. 18	1215	6260	177	11.53	3.514	Apr. 26	0500	9840	279	13.90	4.237
Feb. 11	0300	10600	300	14.36	4.377	May 17	1800	10900	309	14.49	4.417

Minimum discharge, 282 ft³/s (7.99 m³/s) Oct. 31, minimum gage height, 3.72 ft (1.134 m) Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	460	545	496	2440	824	6950	810	600	511	476	433
2	336	358	499	473	1430	953	3230	863	583	503	461	414
3	323	307	467	454	1000	687	4590	1360	570	495	455	417
4	315	292	444	443	833	596	4250	1040	559	489	453	410
5	310	288	429	429	742	642	2510	823	549	484	464	414
6	308	290	423	417	760	676	1590	723	539	480	454	471
7	305	290	412	408	744	617	1320	669	530	483	450	456
8	304	292	399	427	681	969	1330	642	522	559	463	442
9	303	302	388	1570	4360	1020	1530	627	516	715	437	442
10	300	712	383	1750	9760	819	1510	602	509	558	431	433
11	296	823	380	4820	9620	679	1040	586	501	496	441	423
12	296	463	379	8000	5710	603	3680	573	493	478	442	410
13	296	360	1750	5040	1830	566	13600	563	489	469	427	405
14	293	333	4980	2200	1250	538	20700	559	484	462	507	402
15	290	323	3930	1150	1010	503	11300	557	480	457	496	429
16	290	318	2050	3000	905	497	4250	5160	476	461	447	430
17	291	320	1180	5320	883	1690	1640	10600	474	508	436	412
18	290	321	885	6150	787	7380	1410	9990	492	471	428	434
19	287	320	727	4870	709	4970	2800	7020	485	470	421	424
20	286	319	633	2030	665	1990	2260	5400	641	494	417	413
21	285	318	575	1310	633	3310	1300	3760	641	693	417	412
22	288	348	547	1140	605	3230	934	2150	533	719	417	408
23	295	673	617	3790	583	1770	783	1860	781	853	406	404
24	295	1480	1170	3980	558	2030	691	1440	1750	896	399	404
25	287	2660	1960	2410	533	1820	841	1040	1320	615	399	404
26	285	4620	1580	1820	506	1590	7810	865	875	1070	404	408
27	285	3460	946	2020	489	4350	2650	776	640	705	497	432
28	285	1550	718	1530	483	34400	1390	713	577	556	496	411
29	286	812	614	1120	486	35100	1030	672	547	541	433	402
30	286	629	561	922	---	30600	887	639	526	532	421	676
31	309	---	524	1440	---	15600	---	616	---	487	425	---
TOTAL	9237	24041	31095	70929	50995	161019	109806	63698	18682	17710	13720	12875
MEAN	298	801	1003	2288	1758	5194	3660	2055	623	571	443	429
MAX	336	4620	4980	8000	9760	35100	20700	10600	1750	1070	507	676
MIN	285	288	379	408	483	497	691	557	474	457	399	402
CFSM	.51	1.38	1.73	3.95	3.03	8.96	6.31	3.54	1.07	.98	.76	.74
IN.	.59	1.54	1.99	4.55	3.27	10.33	7.04	4.09	1.20	1.14	.88	.83

CAL YR 1979 TOTAL 491170 MEAN 1346 MAX 37200 MIN 285 CFSM 2.32 IN 31.50
WTR YR 1980 TOTAL 583807 MEAN 1595 MAX 35100 MIN 285 CFSM 2.75 IN 37.44

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1980

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River basin					
02434000	Town Creek at Tupelo, MS	Lat 34°17'40", long 88°42'35", in SW¼ SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 0.5 mi (0.8 km) north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft (0.122 m) higher.	a111	1944-46‡, 1952-70‡, 1971-80	3-21-80	22.82	7,530
02435400	Clear Branch near Tupelo, MS	Lat 34°15'30", long 88°39'50", in SW¼ SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 1.3 mi (2.1 km) east of Tupelo.	.75	1955-80	3-17-80	5.24	162
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'15", long 88°43'12", in SE¼, sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 1.0 mi (1.6 km) north of Shannon and 4.5 mi (7.2 km) upstream from mouth.	a53.1	1953-80	3-17-80	14.89	(†)
02435930	Shell Creek near Tupelo, MS	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi (10.6 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft (3.499 m) lower.	.20	1955-80	3-17-80	3.82	51
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi (1.1 km) above Gulf, Mobile and Ohio Railroad bridge.	a145	1952-67‡, 1968-80	3-17-80	12.09	18,800
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi (2.4 km) above Wolf River, and 4.1 mi (6.6 km) northwest of Aberdeen.	a92.2	1937, 1952-80	3-17-80	94.06	10,500
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi (1.6 km) southeast of Quincy.	.54	1967-80	3-17-80	4.78	120
02437600	James Creek at Aberdeen, MS	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi (0.6 km) southwest of Aberdeen.	a28.4	1964-68‡, 1969-80	4-12-80	14.58	4,090

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River basin--Continued					
02439980	Chuquatonchee Creek near Okolona, MS	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 32, 7.5 mi (12.1 km) west of Okolona.	a66.7	1963-68‡, 1969-80	3- 7-80	14.54	4,200
02440000	Chuquatonchee Creek near Egypt, MS	Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi (7.2 km) southwest of Egypt.	a167	1952-73‡, 1974-80	3-17-80	14.12	13,700
02440020	Chuquatonchee Creek tributary near Trebloc, MS	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi (2.4 km) east of Trebloc.	.72	1967-80	3-17-80	7.44	290
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, at bridge on State Highway 47, 2.8 mi (4.5 km) south of McCondy.	a189	1963-68‡, 1969-80	3-17-80	16.10	17,200
02440500	Chuquatonchee Creek near West Point, MS	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., Meridian, Clay County, at bridge State Highway 50, 3.0 mi (4.8 km) west of West Point.	a505	1944-73‡, 1974-80	3-18-80	19.95	24,000
02440600	Line Creek near Maben, MS	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft (305 m) below Gulf, Mobile and Ohio Railroad, and 7.0 mi (11.3 km) north of Maben.	a4.76	1952-80	11-23-79	21.70	3,200
02440800	Trim Cane Creek near Starkville, MS	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi (4.8 km) above Biba Wila Creek, and 6.0 mi (9.7 km) west of Starkville.	a44.9	1952-80	4-12-80	26.98	7,240
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi (6.0 km) west of Mayhew.	.44	1966-80	4-12-80	7.32	304
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'50", long 88°37'45", in NE¼ SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi (0.8 km) east of Mayhew.	a98.0	1963-68‡ 1969-80	4-12-80	19.80	14,000
02443000	Luxapallila Creek at Steens, MS	Lat 33°33'56", long 88°18'55" in NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, on county highway, 0.2 mi (0.3 km) southeast of Steens.	309	1944-47‡ 1950-77‡ 1978-80	4-14-80	17.78	9,230
02443700	Cedar Creek near Brooksville, MS	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-80	4-12-80	6.44	300
02447220	Bogue Fallah Creek tributary near Ackerman, MS	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi (6.6 km) northeast of Ackerman.	.34	1966-80	4-12-80	5.15	140
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'20", long 88°28'10", in SE¼ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi (1.3 km) north of Scooba.	.44	1967-80	4-12-80	6.99	261

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River basin--Continued					
02469672	Little Okatuppa Creek near Quitman, MS	Lat 32°05'00", long 88°27'10", in NW¼SE¼ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi (28.3 km) east of Quitman.	4.35	1966-80	4-12-80	7.00	830
		Pascagoula River basin					
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE¼SE¼ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, at bridge on State Highway 18, 6.0 mi (9.7 km) east of Raleigh.	143	1940-43b 1957-80	4-13-80	300.94	10,500
02471250	Leaf River at Taylorsville, MS	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on State Highway 28, 1.0 mi (1.6 km) east of Taylorsville.	2459	1968-80	4-13-80	253.53	17,300
02471500	Oakohay Creek at Mize, MS	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	a185	1943-49‡, 1968-80	4-13-80	288.86	12,200
02472160	Big Creek tributary near Laurel, MS	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi (18.3 km) west of Laurel.	.17	1966-80	4-12-80	6.12	186
02472420	Bowie Creek near Sanford, MS	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi (8.0 km) southwest of junction with U.S. Highway 49.	262	1968-80	4-13-80	17.22	15,600
02472810	Okatoma Creek tributary No. 2 near Collins, MS	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi (2.6 km) south of Collins.	.21	1967-80	5-17-80	4.36	66
02473047	Gordon Creek at Broad Street at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-80	5-17-80	56.62	1,680
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. stephens Meridian, Jasper County, on paved county road, 8.7 mi (14.0 km) south of Waldrup.	a30.4	1965-70‡, 1971-80	5-17-80	15.85	3,470
02473498	Tallahala Creek tributary at 8th St. at Laurel, MS	Lat 31°41'55", long 89°07'44", in SE¼ sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft (61 m) east of 4th Ave. in Laurel.	1.12	1975-80	5-17-80	238.81	728
02473610	Tallahala Creek tributary No. 2 at Grandview Dr., at Laurel, MS	Lat 31°40'44", long 89°09'19", in N½ sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, at bridge at intersection of Grandview Drive and West Drive in Laurel.	a1.52	1975-80	5-17-80	230.95	651
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, T.1 N., and NE¼ sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi (0.8 km) east of Lake Como.	3.21	1966-80	5-17-80	8.44	1,560
02474650	Buck Creek near Runnelstown, MS	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi (4.0 km) above mouth, and 3.7 mi (6.0 km) east of Runnelstown.	a20.8	1951-80	11-23-79	86.65	2,550

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Pascagoula River basin--Continued					
02475050	Waterfall Branch near McLain, MS	Lat 31°07'10", long 88°45'25", in SW¼ NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi (6.8 km) east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft (0.219 m) lower.	0.65	1955-80	4-12-80	7.44	328
02475220	Little Rock Creek tributary near Little Rock, MS	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at culvert on State Highway 494, 1.2 mi (1.9 km) southeast of Little Rock.	.22	1965-80	3-13-80	3.51	40
02477050	Souinlovey Creek near Baxter, MS	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, at culvert on State Highway 15, 2.6 mi (4.2 km) north of Baxter.	1.14	1965-80	5-17-80	8.46	483
02477090	Powers Creek near Rose Hill, MS	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County at culvert on State Highway 18, 3.0 mi (4.8 km) southwest of Rose Hill.	a.52	1965-80	3-28-80	6.28	274
02477330	Shubuta Creek near Shubuta, MS	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway, 1.5 mi (2.4 km) northwest of Shubuta, and 5.0 mi (8.0 km) above mouth.	a75.5	1963-80	5-17-80	202.74	6,660
02478600	Granny Branch at Piave, MS	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi (0.5 km) southwest of Piave.	.69	1967-80	3-28-80	5.15	220
02479187	Red Creek tributary near Wiggins, MS	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi (8.5 km) west of Wiggins.	.22	1966-80	4-13-80	5.70	137
		Tchoutacabouffa River basin					
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°31'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15 7.0 mi (11.3 km) north of city limits of Biloxi.	a92.4	1952-71‡ 1972-80	4-14-80	16.27	5,220
		Biloxi River basin					
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi (1.9 km) downstream from Little Biloxi River, 4.6 mi (7.4 km) east of Lyman.	a251	1965-80	4-14-80	19.75	22,000
		Pearl River basin					
02482100	Indian Branch near Edinburg, MS	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi (8.7 km) west of Edinburg.	a1.91	1966-80	11-23-79	3.86	370

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Pearl River basin--Continued					
02482310	Lobutcha Creek tributary at Wamba, MS	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 0.3 mi (0.5 km) west of Wamba.	0.94	1965-80	3-28-80	6.39	258
02483890	Yockanookany River tributary near McCool, MS	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at culvert on State Highway 12, 4.0 mi (6.4 km) southwest of McCool.	.34	1965-80	3-28-80	6.76	415
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in N½ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, at bridge on county road, 1.0 mi (1.6 km) west of Ludlow.	77	1975-80	4-12-80	14.00	4,800
02484750	Red Cane Creek tributary near Pisgah, MS	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 4.1 mi (6.6 km) east of Pisgah.	.10	1965-80	4-12-80	6.64	122
02484760	Fannegusha Creek near Sand Hill, MS	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi (6.3 km) east of Sand Hill.	52.3	1975-80	4-12-80	13.35	8,950
02485380	Hollybush Creek tributary No. 1 near Pisgah, MS	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County at culvert on State Highway 43, 7.2 mi (11.6 km) southeast of Pisgah.	.59	1965-80	11-23-79	7.09	330
02485392	Clear Creek tributary near Pelahatchie, MS	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 3.3 mi (5.3 km) north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-80	11-23-79	5.86	107
02485650	Purple Creek at Jackson, MS	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, at Colonial Country Club, 600 ft (183 m) above Old Canton Road bridge, and 1.5 mi (2.4 km) above mouth.	a6.12	1952-80	4-12-80	280.51	1,320
02485700	Hanging Moss Creek at Jackson, MS	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1.0 mi (1.6 km) above Whiteoak Creek, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft (22.421 m) lower.	a16.8	1953-80	4-12-80	20.70	3,720
02485800	Eubanks Creek at Jackson, MS	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft (488 m) upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi (2.1 km) upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft (488 m) downstream at datum 0.74 ft (0.225 m) lower.	c3.21	1954-80	4-12-80	12.77	2,130

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Pearl River basin--Continued					
02485900	Neely Creek near Brandon, MS	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-80	4-12-80	8.83	1,040
02485950	Town Creek at Jackson, MS	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft (91 m) above Illinois Central Railroad.	a11.4	1953-80	4-12-80	13.71	3,210
02486100	Lynch Creek at Jackson, MS	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft (610 m) below U.S. Highway 80, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1958, at site 2,000 ft (610 m) upstream.	a12	1955-80	4-12-80	17.69	5,200
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft (91 m) downstream from old U.S. Highway 51 (Terry Road), 0.6 mi (1.0 km) above Illinois Central Railroad.	a1.05	1962-80	---	(d)	(1)
02487300	Strong River near Puckett, MS	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi (3.2 km) southeast of Puckett.	a248	1958-80	4-12-80	26.23	17,500
02487500	Strong River at D'Lo, MS	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi (0.3 km) south of D'Lo.	a425	1928-71‡, 1972-80	4-13-80	32.65	23,800
02487670	Boggans ditch near Mendenhall, MS	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi (8.8 km) south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft (0.387 m) higher.	a.94	1955-80	4-12-80	5.19	286
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi (10.0 km) east of Hazlehurst.	a47.4	1948-65, 1966-68‡ 1969-80	5- 8-78 4-12-80	19.68 25.11	a13,700 32,000
02488340	Small Pine ditch near Monticello, MS	Lat 31°32'50", long 90°15'40", in SW¼NW¼ sec.25, T.7 N., R.9 E., Washington Meridian, Lawrence County, at culvert on U.S. Highway 84, 9.0 mi (14.5 km) west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft (0.256 m) higher.	.16	1955-77 1980	11-14-79	6.80	189
02488550	Goines Draw near Prentiss, MS	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi (19.6 km) north of Prentiss.	.34	1955-80	7-12-80	3.42	132
02489030	Elmers Draw near Columbia, MS	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi (9.2 km) west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft (0.341 m) higher.	.91	1955-80	5-16-80	9.93	682

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Pearl River basin--Continued					
02490550	Middle Fork Hickory Flat near Tylertown, MS	Lat 31°10', long 90°13', on line between secs.5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi (0.3 km) above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi (8.8 km) northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft (3.338 m) lower.	a1.46	1953-80	4-12-80	6.92	709
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi (5.0 km) west of McNeill	175	1966-68‡ 1969-80	4-12-80	21.94	11,500
		Yazoo River basin					
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi (4.8 km) northwest of New Albany, and 4.5 mi (7.2 km) above mouth.	27.3	1939-42‡, 1952-80	3-17-80	14.02	4,150
07268500	Cypress Creek near Etta, MS	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi (7.2 km) southwest of Etta, and 5.0 mi (8.0 km) above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft (3.048 m) higher.	8.5	1939-42‡, 1952-80	3-17-80	17.29	8,300
07269000	North Tippah Creek near Ripley, MS	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi (3.2 km) upstream from Tippah Creek, and 5.5 mi (8.8 km) west of Ripley.	20	1939-42‡, 1952-80	11-23-79	20.28	5,400
07274250	Otoucalofa Creek at Water Valley, MS (Prior to Oct. 1, 1972, published as Otuckalofa Cr.)	Lat 34°08'25", long 89°38'17", in SW¼ NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi 1.4 km) south of WAter Valley, and 5.2 mi (8.4 km) above mouth.	84.1	1952-80	3-17-80	26.61	(†)
07275500	Long Creek at Courtland, MS	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi (1.6 km) south of Courtland, 5.5 mi (8.8 km) above mouth, and 6.0 mi (9.7 km) south of Batesville.	66.2	1940-43‡ 1952-80	3-17-80	4.77	4,950
07283490	Caney Creek near Coffeeville, MS	Lat 33°55'40", long 89°38'20", in SE¼ NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi (6.7 km) east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft (2.707 m) lower.	1.97	1955-80	9-13-79 4-12-80	9.94 8.16	a1,510 978
07285700	Long Creek near Cascilla, MS	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-80	4-12-80	6.73	594
07286520	Big Sand Creek tributary near North Carrollton, MS	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft (0.91 m) corrugated pipe on county highway 2.4 mi (3.9 km) east of North Carrollton.	.09	1965-80	6-24-80	6.19	59
07287165	Mosquito Lake tributary No. 1 at Itta Bena, MS	Lat 33°28'55", long 90°19'30", in SE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi (0.8 km) south of compress at Itta Bena.	.11	1966-80	11-10-79	6.46	121

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Yazoo River basin--Continued					
07287170	Mosquito Lake tributary No. 2 at Itta Bena, MS	Lat 33°28'45", long 90°19'20", in NE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi (1.3 km) south of compress at Itta Bena.	.13	1966-80	---	(d)	(†)
07287350	Fannegusha Creek near Tchula, MS	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, on State Highway 12, 3.0 mi (4.8 km) east of Tchula.	100	1953-65e 1968-80	6-24-80	159.76	19,600
		Big Black River basin					
07289265	Hays Creek tributary No. 1 near Vaiden, MS	Lat 33°23'10", long 89°45'40", in NE¼NW¼ sec.34, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi (6.2 km) north of Vaiden.	14	1975-80	6-24-80	25.69	1,730
07289395	Sharkey Creek tributary near West, MS	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi (7.6 km) southeast of West.	.30	1967-80	3-17-80	(d)	(†)
07289470	Tacketts Creek tributary near Pickens, MS	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-80	3-17-80	5.89	148
07289600	Tilda Bogue near Canton, MS	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi (4.8 km) north of Canton, and 3.5 mi (5.6 km) above mouth.	24.4	1948-80	4-12-80	18.09	4,500
07289641	Panther Creek tributary near Flora, MS	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at culvert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-80	6-24-80	6.73	127
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi (1.6 km) northeast of Bovina.	f36	1953-80	4-12-80	25.91	7,700
		Bayou Pierre basin					
07290525	Whiteoak Creek tributary near Utica, MS	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County at culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-80	4-12-80	8.16	580
07290690	Clarks Creek near Pattison, MS	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi (2.1 km) above mouth, and 2.5 mi (4.0 km) east of Pattison.	77.4	1961-62‡, 1963-80	4-12-80	27.90	31,000
07290830	Little Creek near Fayette, MS	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, at culvert on State Highway 33, 2.0 mi (3.2 km) south of Fayette.	1.71	1967-80	4-12-80	11.85	1,120
07290870	Coles Creek near Fayette, MS	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi (1.1 km) below confluence of North and South Forks of Coles Creek, and 10.0 mi (16.1 km) northwest of Fayette.	257	1961-62‡, 1963-80	5-11-78 1-11-80	31.39 26.14	a71,000 41,700

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1980--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Homochitto River basin					
07291250	McCall Creek near Lucien, MS	Lat 31°30'24", long 90°38'45", in SW¼, sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi (1.3 km) east of Lucien.	f60	1953, 1955-80	4-12-80	83.33	6,400
		Thompson Creek basin					
07373550	Moores Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi (5.3 km) east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft (0.268 m) lower.	.21	1955-80	1-11-80	5.78	255
		Mississippi River Delta					
07375235	Tangipahoa River tributary near McComb, MS	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi (7.7 km) southwest of McComb.	2.71	1966-80	3-28-80	7.00	770
07376760	CRS Draw near Liberty, MS	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi (10.6 km) west of intersection with Highway 24 in Liberty.	.80	1966-80	3-28-80	8.36	517

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Revised
b Gage heights and discharge measurements in files of Corps of Engineers.
c Total drainage area 5.19 mi^2 (13.4 km^2)
d High-water mark was not determined.
e Published at site near Howard, 3 mi (5 km) downstream.
f Approximately.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1980

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Mobile River basin				
Black Branch	Mackeys Creek	Lat 34°39'53", long 88°15'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on Illinois Central Railroad bridge, 0.5 mi (0.8 km) north of Paden, MS.	a1.45	1972, 1974-78	9-10-80	*0.40
Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi (2.9 km) southwest of Paden, MS.	a1.25	1972, 1974-78	9-10-80	*.58
02430500 Tombigbee River	Mobile River	Lat 34°25'35", long 88°25'17", in SE¼ sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County at bridge on county highway, 0.5 mi (0.8 km) downstream from confluence of Browns Creek Canal and Mackeys Creek, 3.0 mi (4.8 km) upstream from Donovan Creek Canal, and 6.0 mi (9.7 km) southeast of Marietta, MS.	a308	1937-50‡, 1968-77	10-21-79 6-10-80 7-15-80 8-27-80	127 135 64.9 *57.2
Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, at U.S. Highway 45, 3.2 mi (5.1 km) southeast of Aberdeen, MS.	24.1	1977-79	10- 1-79 2-14-80 8- 4-80 9- 9-80	10.1 35.6 6.70 *4.41
Catalpa Creek	Tibbee Creek	Lat 33°31'18", long 88°33'50", in NE¼ sec.13, T.19 N., R.16 E., Choctaw Meridian, on county road at Clay-Lowndes County lines, 6.3 mi (10.1 km) southeast of West Point, MS.	a118	1979	10- 1-79	21.1
Running Water Creek	Macedonia Creek	Lat 33°01'05", long 88°36'50", in SE¼ sec.36, T.14 N., R.16 E., Chowtaw Meridian, Noxubee County, at bridge on county road, 3.6 mi (5.8 km) northwest of Shuqualak, MS.	38.3	---	8-25-80	*14.6
Sucarnoochee River	Tombigbee River	Lat 32°47'42", long 88°37'43", in SE¼ sec.14, T.11 N., R.16 E., Chowtaw Meridian, Kemper County, at bridge on county road, 2.0 mi (3.2 km) northeast of Dekalb, MS.	76.2	---	8-25-80	*45.8
Pawtifaw Creek	Sucarnoochee River	Lat 32°40'22", long 88°32'15", in NE¼ sec.34, T.10 N., R.17 E., Choctaw Meridian, Kemper County, on county road, 4.0 mi (6.4 km) west of Porterville, MS.	92.7	1971	8-27-80	*56.3
Blackwater Creek	Pawtifaw Creek	Lat 32°38'27", long 88°32'10", on line between sec.10, 11, T.9 N., R.17 E., Choctaw Meridian, Kemper County, at bridge on county road, 2.8 mi (4.5 km) southeast of Oak Grove, MS.	45.0	---	8-27-80	*25
Ponta Creek	Sucarnoochee River	Lat 32°31'28", long 88°37'42", in NE¼ sec.23, T.8 N., R.16 E., Choctaw Meridian, Lauderdale County, on county road, 2.0 mi (3.2 km) southeast of Lizelia, MS.	22.9	1968, 1971	8-27-80	*3.05

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1980--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Mobile River basin--Continued				
Big Reed Creek	Ponta Creek	Lat 32°33'25", long 88°31'45", in N½ sec.11, T.8 N., R.17 E., Chowtaw Meridian, Lauderdale County, on county road, 3.6 mi (5.8 km) southwest of Tamola, MS.	17.3	---	8-27-80	*9.85
		Pascagoula River basin				
02472551 Okatoma Creek	Bowie River	Lat 31°50'44", long 89°41'24", in SE¼ sec.10, T.10 N., R.17 W., St. Stephens Meridian, Simpson County, at bridge on county highway, 3.2 mi (5.1 km) southeast of Magee, MS.	44.2	---	8-13-80	*15.9
02472560 Goodwater Creek	Okatoma Creek	Lat 31°51'12", long 89°43'13", in NW¼ sec.9, T.10 N., R.17 W., St. Stephans Meridian, Simpson County, at bridge on U.S. Highway 49, 1.6 mi (2.6 km) southeast of Magee, MS.	10.2	1964	8-12-80	*14.3
02472567 Goodwater Creek	Okatoma Creek	Lat 31°50'36", long 89°42'04", in SW¼ sec.10, T.10 N., R.17 W., St Stephens Meridian, Simpson County, at bridge on county highway, 2.8 mi (4.5 km) southeast of Magee, MS.	13.5	---	8-12-80	*21.7
Okatoma Creek	Bowie River	Lat 31°48'03", long 89°40'26", in SE¼ sec.26, T.10 N., R.17 W., St. Stephens Meridian, Simpson County, at bridge on county highway, 0.2 mi (0.3 km) northeast of Saratoga, MS.	a88.2	1970, 1971	8-13-80	*44.3
02472584 Uspoha Creek	Okatoma Creek	Lat 31°48'03", long 89°40'27", in SE¼ sec.26, T.10 N., R.17 W., St. Stephens Meridian, Simpson County, at mouth of Uspoha Creek, 0.2 mi (0.3 km) northeast of Saratoga, MS.	12.9	---	8-13-80	*17.8
Okatoma Creek	Bowie Creek	Lat 31°33'45", long 89°30'15", in NE¼ sec.21, T.7 N., R.15 W., St. Stephens Meridian, Covington County, on State Highway 590, 0.1 mi (0.2 km) west of Seminary, MS	204	1961, 1972	3-17-80 7-16-80 8-29-80	1610 119 163
02473490 Tallahala Creek	Leaf Creek	Lat 31°47'07", long 89°04'33", in SW¼ sec.35, T.10 N., R.11 W., St. Stephens Meridian, Jones County, at county highway, 2.3 mi (3.7 km) west of Sandersville, MS.	198	1956b, 1975-79	10-22-79	*22.1
Tallashua Creek	Chunky Creek	Lat 32°32'58", long 88°59'25", in SE¼ sec.8, T.8 N., R.13 E., Chowtaw Meridian, Newton County, on county road, 2.5 mi (4.0 km) northeast of Little Rock, MS.	44.2	---	8-26-80	*2.76
Tallahatta Creek	Chunky River	Lat 32°30'03", long 88°55'06", in SE¼ sec.25, T.8 N., R.13 E., Chowtaw Meridian, Newton County, on State Highway 494, 6.5 mi (10.5 km) east of Little Rock, MS	20.4	---	8-26-80	*1.51
Tallachula Creek	Okatibbee Creek	Lat 32°38'28", long 88°51'30" in SW¼ sec.10, T.9 N., R.14 E., Chowtaw Meridian, Kemper County, on county road, 1.8 mi (2.9 km) southwest of Damascus, MS.	12.0	---	8-26-80	*.71

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1980--Continued

Stream	Tributary	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Pascagoula River basin--Continued				
Okatibbee Creek	Chickasawhay River	Lat 32°34'33", long 88°47'05" in NE¼ sec.1, T.8 N., R.14 E., Choctaw Meridian, Lauderdale County, on county road, 4.6 mi (7.4 km) southwest of Klondike, MS.	55.6	---	8-28-80	*4.67
Chickasawhay Creek	Okatibbee Creek	Lat 32°35'28", long 88°47'05" in NE¼ sec.32, T.9 N., R.15 E., Choctaw Meridian, Kemper County, on county road, 2.7 mi (4.3 km) southwest of Klondike, MS.	26.1	---	8-28-80	*1.64
02479100 Black Creek	Pascagoula River	Lat 31°11'25", long 89°22'36" in SW¼ sec.26, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at bridge on U.S. Highway 11, 4.0 mi (6.4 km) northwest of Purvis, MS.	a171	1957-70b, 1975-79	7-15-80 8-21-80	77.4 *64
		Pearl River basin				
Pearl River	Gulf of Mexico	Lat 32°50'27", long 89°05'51" in SW¼NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, at bridge on State Highway 15, 2.0 mi south of Burnside, MS and 4.8 mi (7.7 km) north of Philadelphia, MS.	a520	1938, 1940, 1943-45, 1979	3-13-80	10,600
02485000 Pearl River	Gulf of Mexico	Lat 32°30'50", long 89°56'25" in NE¼ sec.25, T.8 N., R.3 E., Choctaw Meridian, near Rankin-Madison County line at Meek's Bridge on State Highway 43, in backwater of Ross Barnett Reservoir.	a2,755	1938-63‡, 1979	4-14-80 4-16-80 4-17-80	36,700 48,600 49,700
02485500 Pelahatchie Creek	Pearl River	Lat 32°23'18", long 89°58'05" in SW¼SW¼ sec.2, T.6 N., R.3 E., Choctaw Meridian, Rankin County, at bridge on State Highway 471, 2.0 mi (3.2 km) south of Fannin, MS.	a206	1951-60‡, 1961-64	4-14-80 4-16-80 4-17-80	8,100 1,560 258
Pearl River	Gulf of Mexico	Lat 32°23'50", long 90°03'57" in NW¼ sec.2, T.6 N., R.2 E., Choctaw Meridian, Rankin County (corrected), at Barnett Reservoir, 3.0 mi (4.8 km) northeast of city limits of Jackson, MS	3,050	1963-64, 1966-67, 1971, 1973, 1979	9-23-80	357
Pearl River	Gulf of Mexico	Lat 32°19'56", long 90°07'42" in NE¼SE¼ sec.30, T.6 N., R.2 E., Choctaw Meridian, Hinds County, on State Highway 25 at Jackson, MS.	a3,134	1969, 1976, 1979	3-21-80	44,000
02487877 Little Copiah Creek	Copiah Creek	Lat 31°57'43", long 90°20'59" in NE¼ sec.1, T.1 N., R.2 W., Choctaw Meridian, Copiah County, at bridge on county highway, 1.8 mi (2.9 km) southeast of Crystal Springs, MS.	1.77	---	8-19-80	*.84
02487880 Little Copiah Creek	Copiah Creek	Lat 31°56'33", long 90°19'39" in NW¼ sec.8, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on county highway, 3.7 mi (6.0 km) east of Gallman, MS.	7.86	---	8-19-80	*2.59

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1980--Continued

Stream	Tributary	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Pearl River basin--Continued				
02487892 Little Copiah Creek	Copiah Creek	Lat 31°54'37", long 90°17'43" in SW¼ sec.22, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on county highway, 5.7 mi (9.2 km) east of Gallman, MS.	14.4	---	8-19-80	*6.96
02489000 Pearl River	Gulf of Mexico	Lat 31°14'14", long 89°50'54" in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, at bridge on U.S. Highway 98, 1.5 mi (2.4 km) southwest of Columbia, MS	a5,690	1928-54‡, 1955, 1958, 1960-64, 1966-67, 1972, 1974, 1979	10- 4-80 3-31-80 4- 1-80 6- 2-80 7-16-80 8-27-80	11,100 †86,600 81,400 7,970 1,920 *1,550
		Tennessee River basin				
Clausel Creek tributary	Clausel Creek	Lat 34°44'10", long 88°21'06" in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.7 mi (1.1 km) north northwest of Cairo, MS.	2.54	1972, 1975, 1977-78	9-10-80	*0
Little Yellow Creek	Yellow Creek	Lat 34°47'05", long 88°16'45" in SE¼ sec.30, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo county, on county road, 3.5 mi (5.6 km) east of Holts Spur, MS.	7.14	---	9-10-80	*1.52
		Yazoo River basin				
Big Sunflower River	Yazoo River	Lat 33°11'01", long 90°41'08" in NE¼NW¼ sec.2, T.15 N., R.5 W., Choctaw Meridian, Washington County, on State Highway 12, 9.7 mi (15.6 km) east of Hollandale, MS.	---	1955, 1970	7-22-80 7-23-80 7-24-80	12,200 15,200 †15,400
Buck Bayou	Buck Bayou	Lat 33°10'57", long 90°37'58" on line between sec.32, T.16 N. and sec.5, T.15 N., R.4 W., Choctaw Meridian, Humphreys County, at bridge on State Highway 12, 8.5 mi (13.7 km) west of Belzoni, MS.	---	---	7-21-80	1,640
Ditchlow Bayou tributary	Ditchlow Bayou	Lat 33°11'02", long 90°39'38" in SE¼ sec.36, T.16 N., R.5 W., Choctaw Meridian, Humphreys County, at bridge on State Highway 12, 10.0 mi (16.1 km) west of Belzoni, MS.	---	---	7-21-80	590
Big Sunflower River	Yazoo River	Lat 33°58'18", long 90°46'41" in SE¼ sec.14 T.13 N., R.6 W., Choctaw Meridian, Sharkey County, at bridge on State Highway 14, 3.0 mi (4.8 km) east of Anguilla, MS.	---	---	7-23-80 7-24-80	22,700 †24,600
Big Sunflower River	Yazoo River	Lat 32°48'53", long 90°43'05" in NW¼ sec.9, T.11 N., R.5 W., Choctaw Meridian, on Sharkey-Yazoo County line, on downstream side of bridge at State Highway 16, at Holly Bluff, MS.	2,771	1975	7-23-80 7-24-80	18,100 †19,700

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1980-- Continued

Stream	Tributary	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Big Black River basin				
07290060 Bakers Creek	Fourteenmile Creek	Lat 32°18'28", long 90°19'33" in NW¼ sec.5, T.5 N., R.1 W., Choctaw Meridian, Hinds County, at bridge on county highway, 1.9 mi (3.1 km) south of Clinton, MS.	8.60	---	9-10-80 9-17-80	*.74 *1.69
07290062 Bakers Creek	Fourteenmile Creek	Lat 32°18'32", long 90°20'30" in NW¼ sec.6, T.5 N., R.1 W., Choctaw Meridian, Hinds County, at pipeline crossing, 2.3 mi (3.7 km) south of Clinton, MS.	---	---	9-17-80	*.85
07290070 Bakers Creek	Fourteenmile Creek	Lat 32°18'06", long 90°23'27" in SW¼ sec.3, T.5 N., R.2 W., Choctaw Meridian, Hinds County, at bridge on county highway, 3.4 mi (5.5 km) northeast of Raymond, MS.	27.1	1952-56, 1958, 1960, 1965	9-16-80	*1.08
07290080 Lindsey Creek	Bakers Creek	Lat 32°18'49", long 90°23'01" in SE¼ sec.34, T.6 N., R.2 W., Choctaw Meridian, Hinds County, at bridge on county highway, 4.2 mi (6.8 km) southwest of Clinton, MS.	---	---	9-16-80	*.14
07290090 Bakers Creek	Fourteenmile Creek	Lat 32°20'05", long 90°26'53" in SW¼ sec.30, T.6 N., R.2 W., Choctaw Meridian, Hinds County, at bridge on county highway, 1.2 mi (1.9 km) southeast of Bolton, MS.	---	---	9-17-80 9-18-90 9-18-80	*1 *.74 *1.27
Bakers Creek	Fourteenmile Creek	Lat 32°18'52", long 90°34'52" in SW¼ sec.35, T.6 N., R.4 W., Choctaw Meridian, Hinds County, at bridge on State Highway 467, 1.0 mi (1.6 km) southwest of Edwards, MS.	---	---	1-11-80 2-26-80	†4,150 18.7

‡ Operated as a continuous-record station.
a Revised.
b Operated as CSG.
c Approximately.

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi

Measurements of streamflow made in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Data below furnished by and are in files of Corps of Engineers, Mobile District.

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi, during water year 1980

Station no.	Stream	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Mobile River basin				
02429710	Big Rock Hollow	Lat 34°43'00", long 88°26'06", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 3.4 mi (5.5 km) north of Altitude, MS.	1.06	1972, 1975-79	10-15-79	0.51
02429713	Yarber Branch	Lat 34°42'58", long 88°26'11", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 3.4 mi (5.5 km) north of Altitude, MS.	.47	1972, 1974-79	10-15-79	.36
02429718	Big Rock Hollow	Lat 34°42'08", long 88°26'08", in SW¼ sec.26, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 2.4 mi (3.9 km) north of Altitude, MS.	2.93	1972, 1974-79	10-15-79	1.21
02429725	Heading Mill Hollow	Lat 34°42'13", long 88°25'38", in center of sec.26, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 2.6 mi (4.2 km) north of Altitude, MS.	3.88	1972, 1974-79	10-15-79	1.56
02429735	Big Brown Creek	Lat 34°40'11", long 88°25'48", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 0.7 mi (1.1 km) east of Altitude, MS.	11.3	1972, 1974-79	10-15-79	4.76
02429742	North Channel of East Prong	Lat 34°41'11", long 88°23'22", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 3.3 mi (5.3 km) northeast of Altitude, MS.	1.53	1972, 1974-79	10-15-79	.28
02429743	Middle Channel of East Prong	Lat 34°41'08", long 88°23'20", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 3.3 mi (5.3 km) northeast of Altitude, MS.	.12	1972, 1976-79	10-15-79	<.01
02429745	South Channel of East Prong	Lat 34°41'04", long 88°23'19", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 3.3 mi (5.3 km) northeast of Altitude, MS.	.20	1972, 1976-79	10-15-79	.04
02429750	East Prong	Lat 34°40'49", long 88°24'18", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 2.4 mi (3.9 km) northeast of Altitude, MS.	4.93	1972, 1974-79	10-15-79	.85
02429933	Little Brown Creek	Lat 34°38'40", long 88°21'24", in center of sec.9, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) northwest of Burton, MS.	1.59	1972, 1974-79	10-18-79	.58
02429934	Little Brown Creek tributary	Lat 34°39'27", long 88°20'44", in SW¼ sec.10, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 375, 1.3 mi (2.1 km) north of Burton, MS.	3.28	1972, 1974-76 1978-79	10-18-79	2.63
024299348	Little Brown Creek tributary No. 4	Lat 34°39'27", long 88°20'44", in W½ sec.10, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 1.4 mi (2.3 km) north of Burton, MS.	.77	1972, 1976-79	10-18-79	.51

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1980--Continued

Station	Stream	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Mobile River basin--Continued				
02429935	Little Brown Creek	Lat 34°38'42", long 88°21'26", in center of sec.16, R.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.2 mi (1.9 km) northwest of Burton, MS.	6.86	1972, 1974-79	10-18-79	4.75
02429942	Little Brown Creek tributary	Lat 34°37'29", long 88°21'50", on line between SW¼ sec.21 and NW¼ sec.28, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 30, 1.6 mi (2.6 km) east of New Hope, MS.	10.1	1972, 1974-79	10-17-79	6.57
02429943	Little Brown Creek tributary	Lat 34°57'30", long 88°21'40", in NW¼ sec.28, R.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.7 mi (2.7 km) east of New Hope, MS.	.15	1972, 1974-79	10-17-79	.08
02429947	Lacy Creek	Lat 34°37'29", long 88°22'04", on sec. line 29-20, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 30, 1.4 mi (2.3 km) east of New Hope, MS.	2.82	1972, 1974-75, 1977-79	10-17-79	.50
02429964 (revised)	Wright Branch	Lat 34°28'51", long 88°22'26", in SW¼ sec.8, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 5.1 mi (8.2 km) southeast of Marietta, MS.	3.13	1972, 1976-77 1979	10-17-79	1.36
02429966 (revised)	Fret Branch	Lat 34°28'53", long 88°23'53", in SW¼ sec.7, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 4.2 mi (6.8 km) southeast of Marietta, MS.	1.75	1972, 1976, 1978-79	10-21-79	.31
02429969	Burgess Creek	Lat 34°41'42", long 88°17'32", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 3.0 mi (4.8 km) northwest of Paden, MS.	a1.07	1972, 1974, 1976-78	10-16-79	.25
02429970	Mackeys Creek tributary	Lat 34°41'28", long 88°41'28", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 2.7 mi (4.3 km) north northwest of Paden, MS.	.39	1972, 1975-78	10-16-79	0
02429972	Hurricane Creek	Lat 34°40'16", long 88°18'08", in SE¼ sec.1, T.5 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 2.3 mi (3.7 km) northwest of Paden, MS.	.69	1972, 1975-79	10-16-79	.14
02429973	Hurricane Creek tributary	Lat 34°40'14", long 88°17'24", in SW¼ sec.6, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road 1.7 mi (2.7 km) northwest of Paden, MS.	.90	1972, 1974-79	10-16-79	.18
02429975	Black Branch	Lat 34°39'53", long 88°15'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Illinois Central Railroad bridge, 0.5 mi (0.8 km) north of Paden, MS.	a1.45	1972, 1974-79	10-16-79	.57
02429977	Panther Creek	Lat 34°39'34", long 88°15'37", on sec. line 8-9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 0.3 mi (0.5 km) east of Paden, MS.	2.76	1972, 1974-79	10-16-79	3.34

a Revised

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1980--Continued

Station	Stream	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Mobile River basin--Continued				
02429978	King Creek North Fork	Lat 34°38'21", long 88°14'04", in SE¼ sec.15, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on old State Highway 30, 0.2 mi (2.3 km) northwest of Tishomingo, MS.	3.51	1972, 1974-79	10-17-79	1.44
02429979	King Creek South Fork	Lat 34°38'15", long 88°14'09", in NW¼ sec.22, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 0.2 mi (0.3 km) west of Tishomingo, MS.	3.51	1972, 1974-79	10-17-79	2.90
024299792	King Creek tributary	Lat 34°38'29", long 88°14'48", in SE¼ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 0.9 mi (1.4 km) northwest of Tishomingo, MS.	.15	1972, 1974-79	10-17-79	.46
024299794	King Creek tributary No. 2	Lat 34°38'28", long 88°15'03", in S½ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.1 mi (1.8 km) northwest of Tishomingo, MS.	.08	1972, 1976-79	10-17-79	.06
024299814	Mackeys Creek tributary	Lat 34°38'26", long 88°15'34", in SW¼ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.2 mi (1.9 km) south of Paden, MS.	.19	1972 1974-79	10-17-79	.21
02429985	Sandy Hook Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi (2.9 km) southwest of Paden, MS.	a1.25	1972, 1974-79	10-18-79	.97
02429987	Reedy Branch	Lat 34°38'04", long 88°17'02", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 2.3 mi (3.7 km) southwest of Paden, MS.	.82	1972, 1975-79	10-18-79	.44
02429988	Reedy Branch tributary	Lat 34°38'02", long 88°17'36", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 2.3 mi (3.7 km) southwest of Paden, MS.	.53	1972, 1976-79	10-18-79	.29
02429996	Riddle Creek	Lat 34°37'26", long 88°19'31", in NW¼ sec.26, T.5 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 1.3 mi (7.1 km) southeast of Burton, MS.	3.72	1972, 1975-79	10-17-79	1.20
02430030	Rock Creek	Lat 34°31'09", long 88°15'26", in NW¼ sec.33, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 2.9 mi (4.7 km) west of Belmont, MS.	4.33	1972, 1976-79	10-20-79	1.92
02430048	Jourdan Creek	Lat 34°32'33", long 88°16'26", in SW¼ sec.20, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 4, 2.9 mi (4.7 km) southwest of Dennis, MS.	5.74	1972, 1974-79	10-20-79 10-21-79	8.43 2.35
02430110	Caveness Branch	Lat 34°29'15", long 88°21'23", in N½ sec.9, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) northwest of Moores Mill, MS.	4.45	1972, 1974-79	10-21-79	3.13
02430120	Pounds Creek	Lat 34°29'15", long 88°21'31", in NW¼ sec.9, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.9 mi (3.1 km) northwest of Moores Mill, MS.	3.53	1972, 1974-79	10-21-79	1.28

a Revised

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1980--Continued

Station	Stream	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Mobile River basin--Continued				
02430126	Saucer Creek	Lat 34°28'05", long 88°20'18", in S½ sec.15, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) southwest of Moores Mill, MS.	8.97	1972, 1974-79	10-21-79	3.87
02430150	Mackeys Creek tributary	Lat 34°27'38", long 88°21'32", in NW¼ sec.21, T.7 S., R.9 E., Chickasaw Meridian, Itawamba County, on county road, 2.3 mi (3.7 km) southwest of Moores Mill, MS.	.85	1972, 1974-79	10-21-79	.91
02430600	Donivan Creek	Lat 34°24'54", long 88°26'26", in E½ sec.3, T.8 S., R.8 E., Chickasaw Meridian, Itawamba County, on county road, 3.7 mi (6.0 km) southeast of Kirkville, MS.	36	1962-63, 1972, 1974-76, 1979	10-22-79	4.13
02430690	Twentymile Creek	Lat 34°23'10", long 88°27'40", in center of sec.16, T.8 S., R.8 E., Chickasaw Meridian, Itawamba County, on State Highway 371, 4.6 mi (7.4 km) north of Mantachie, MS.	146	1962-63, 1965, 1972, 1974-76, 1979	10-22-79	11.5
02430900	Cummings Creek	Lat 34°16'57", long 88°24'31", in SE¼ sec.24, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, at bridge on county road, 0.6 mi (1.0 km) north of Fulton, MS.	25.4	1956-57, 1960, 1972, 1974, 1979	10-22-79	16.8
02431700	Reeds Creek	Lat 34°12'19", long 88°22'23", on line between sec.17 and 20, T.10 S., R.9 E., Chickasaw Meridian, Itawamba County, at bridge on State Highway 25, 0.5 mi (0.8 km) southeast of Beans Ferry, MS.	--	1975-76 1978-79	10-22-79	6.62
		Tennessee River basin				
03592546	Rutledge Branch	Lat 34°43'11", long 88°13'50", in NE¼ sec.22, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 0.9 mi (1.4 km) south southwest of Midway, MS.	1.05	1972, 1975-79	10- 9-79 10-19-79	.67 .66
03592550	Cripple Deer Creek	Lat 34°41'54", long 88°13'14", in SW¼ sec.26, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 4.2 mi (6.8 km) north of Tishomingo, MS.	11.1	1953-57, 1959-60, 1972, 1974-79	10-19-79	1.04
03592554	Trigger Branch	Lat 34°39'19", long 88°12'30", in SE¼ sec.11, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.9 mi (3.1 km) northeast of Tishomingo, MS.	--	1974-79	10-19-79	1.56
03592559	Little Cripple Deer Creek	Lat 34°46'22", long 88°13'04", in SW¼ sec.11, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 3.0 mi (4.8 km) southwest of Iuka, MS.	.60	1972, 1974, 1976-79	10- 8-79 10-19-79	.02 <.01
03592560	Cripple Deer Creek tributary	Lat 34°46'25", long 88°13'01", in center of sec.35, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 2.9 mi (4.7 km) southwest of Iuka, MS.	.82	1972, 1974, 1976-79	10- 8-79 10-19-79	.16 .12

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1980--Continued

Station	Stream	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Tennessee River basin--Continued				
03592561	Little Cripple Deer Creek tributary	Lat 34°46'08", long 88°13'05", in S½ sec.35, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 3.3 mi (5.3 km) southwest of Iuka, MS.	0.89	1972, 1974-79	10- 8-79 10-19-79	0.13 .11
03592563	Little Cripple Deer Creek	Lat 34°44'03", long 88°11'43", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.7 mi (2.7 km) east of Midway, MS.	7.17	1972, 1974-79	10- 9-79 10-19-79	1.40 1.28
03592565	Moore Branch	Lat 34°44'01", long 88°11'49", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.6 mi (2.6 km) east of Midway, MS.	3.51	1972, 1974-79	10-19-79	1.11
03592647	Yellow Creek	Lat 34°43'35", long 88°20'28", in S½ sec.15, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 0.4 mi (0.6 km) east of Cairo, MS.	7.69	1972, 1975-79	10-9-79 10-16-79	.94 .56
03592652	Clausel Creek	Lat 34°44'06", long 88°21'04", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.6 mi (1.0 km) north northwest of Cairo, MS.	2.59	1972, 1975-79	10- 9-79 10-16-79	.43 .28
03592654	Clausel Creek tributary	Lat 34°44'10", long 88°21'06", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.7 mi (1.1 km) north northwest of Cairo, MS.	2.54	1972, 1975, 1977-79	10- 9-79 10-18-79	.72 .54
03592656	Clausel Creek tributary	Lat 34°44'22", long 88°21'12", in N½ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.9 mi (1.4 km) northwest of Cairo, MS.	.30	1972, 1974-79	10- 9-79 10-19-79	.13 .09
03592662	Tributary of Yellow Creek tributary No. 2	Lat 34°44'22", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 0.6 mi (1.0 km) north of Holcut, MS.	.95	1972, 1975, 1977-79	10- 8-79 10-19-79	.07 .03
03592663	Yellow Creek tributary	Lat 34°44'16", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road 0.4 mi (0.6 km) north of Holcut, MS.	.57	1972, 1974-79	10- 8-79 10-19-79	.15 .02
03592668	Pigeon Roost Branch	Lat 34°45'13", long 88°21'08", in NE¼ sec.9, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 1.5 mi (2.4 km) southwest of Holts Spur, MS.	1.15	1972, 1975-79	10- 9-79 10-18-79	.33 .14
03592670	Berea Creek	Lat 34°47'15", long 88°19'50", in S½ sec.26-27, T.3 S., R.9 E., Chickasaw Meridian, Tishomingo County, on State Highway 365, 1.2 mi (1.9 km) north of Holts Spur, MS.	8.60	1972, 1974-79	10- 9-79 10-18-79	2.25 1.97
03592710	Little Yellow Creek	Lat 34°49'07", long 88°16'55", in SE¼ sec.18, T.3 S., R.9 E., Chickasaw Meridian, Tishomingo County, on U.S. Highway 72, 2.7 mi (4.3 km) southwest of Burnsville, MS.	11.9	1972, 1974-75, 1977-79	10-18-79	3.34

Water-quality partial-record stations are particular sites where chemical-quality, biological and/or sediment data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than quarterly.

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)												
SEP , 1980 10...	1100	.40	83	7.4	19.0	5	1.3	8.9	3	37	6	13
02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)												
SEP , 1980 10...	0930	.58	30	6.8	18.0	2	1.4	8.9	3	9	0	2.0
03592654 - CLAUSEL CREEK TRIBUTARY NR CAIRO, MS. (LAT 34 44 10 LONG 088 21 06)												
SEP , 1980 10...	0815	.00	--	--	--	--	--	--	--	--	--	--
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)												
SEP , 1980 10...	1300	1.5	30	6.8	21.5	15	2.6	8.5	9	8	0	1.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)												
SEP , 1980 10...	1.2	1.3	7	.1	1.0	31	2.0	1.2	68	.09	.07	.10
02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)												
SEP , 1980 10...	.9	1.6	26	.2	1.1	16	2.5	1.0	42	.06	.07	.08
03592654 - CLAUSEL CREEK TRIBUTARY NR CAIRO, MS. (LAT 34 44 10 LONG 088 21 06)												
SEP , 1980 10...	--	--	--	--	--	--	--	--	--	--	--	--
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)												
SEP , 1980 10...	.8	1.8	29	.3	1.2	11	2.8	1.1	43	.06	.17	.04

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)												
SEP , 1980												
10...	.020	.02	.12	.14	.24	1.1	.000	.00	.000	400	360	40
02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)												
SEP , 1980												
10...	.020	.02	.06	.08	.16	.71	.000	.00	.000	480	390	90
03592654 - CLAUSEL CREEK TRIBUTARY NR CAIRO, MS. (LAT 34 44 10 LONG 088 21 06)												
SEP , 1980												
10...	--	--	--	--	--	--	--	--	--	--	--	--
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)												
SEP , 1980												
10...	.030	.04	.11	.14	.18	.80	.010	.03	.000	1600	1400	170

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)											
SEP , 1980											
10...	3	2	1	30	10	20	.2	.0	.2	15	.02
02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)											
SEP , 1980											
10...	7	7	0	50	30	20	.1	.0	.1	13	.02
03592654 - CLAUSEL CREEK TRIBUTARY NR CAIRO, MS. (LAT 34 44 10 LONG 088 21 06)											
SEP , 1980											
10...	--	--	--	--	--	--	--	--	--	--	--
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)											
SEP , 1980											
10...	5	4	1	60	30	30	.2	.0	.2	29	.12

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
02448190 - RUNNING WATER CREEK NR SHUGUALAK, MS (LAT 33 01 05 LONG 088 36 50)											
AUG , 1980 25...	1200	15	28	6.8	25.5	30	15	8.1	6	1.2	.8
02448310 - WAHALAK CREEK AT WAHALAK, MS (LAT 32 53 42 LONG 088 32 18)											
AUG , 1980 25...	1400	.00	--	--	--	--	--	--	--	--	--
02467091 - SUCARNOOCHEE CREEK BL DEKALB, MS (LAT 32 47 41 LONG 088 37 43)											
AUG , 1980 25...	1600	46	26	6.8	26.0	30	8.3	7.8	5	1.0	.7
02467290 - PAWTICFAW CREEK WEST OF PORTERVILLE, MS (LAT 32 40 26 LONG 088 32 12)											
AUG , 1980 27...	0930	56	31	6.8	23.0	15	4.0	8.5	7	1.3	.9
02467390 - BLACKWATER CREEK NR OAK GROVE, MS (LAT 32 38 27 LONG 088 32 10)											
AUG , 1980 27...	1230	25	32	6.7	22.0	15	--	8.5	6	1.2	.8
02467430 - PONTA CREEK NR LIZELIA, MS (LAT 32 31 28 LONG 088 37 43)											
AUG , 1980 27...	1700	3.1	115	7.0	23.0	20	7.4	7.7	36	8.4	3.7
02467459 - BIG REED CREEK NR TAMOLA, MS (LAT 32 33 25 LONG 088 31 45)											
AUG , 1980 27...	1430	9.9	28	6.0	22.0	30	3.4	8.3	6	1.1	.7
02475209 - TALLASHUA CREEK AB LITTLE ROCK, MS (LAT 32 32 58 LONG 088 59 25)											
AUG , 1980 26...	1100	2.8	51	6.6	25.0	50	5.3	5.7	14	2.6	1.8
02475580 - TALLAHATTA CREEK NR LITTLE ROCK, MS (LAT 32 30 03 LONG 088 55 06)											
AUG , 1980 26...	1300	1.5	45	6.8	24.5	25	--	6.3	11	2.1	1.4
02475800 - TALLACHULA CREEK NR DAMASCUS, MS (LAT 32 38 28 LONG 088 51 29)											
AUG , 1980 26...	1630	.71	45	6.9	25.5	20	8.5	7.8	14	2.4	1.9

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, VOLA-TILE, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
02448190 - RUNNING WATER CREEK NR SHUQUALAK, MS (LAT 33 01 05 LONG 088 36 50)											
AUG , 1980 25...	1.7	34	.3	.7	1.0	2.5	35	.05	1.42	19	.14
02448310 - WAHALAK CREEK AT WAHALAK, MS (LAT 32 53 42 LONG 088 32 18)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--
02467091 - SUCARNOOCHEE CREEK BL DEKALB, MS (LAT 32 47 41 LONG 088 37 43)											
AUG , 1980 25...	1.9	38	.4	1.0	.7	3.0	37	.05	4.60	19	.17
02467290 - PAWTICFAW CREEK WEST OF PORTERVILLE, MS (LAT 32 40 26 LONG 088 32 12)											
AUG , 1980 27...	2.1	36	.3	1.0	1.4	2.6	40	.05	6.08	21	.12
02467390 - BLACKWATER CREEK NR OAK GROVE, MS (LAT 32 38 27 LONG 088 32 10)											
AUG , 1980 27...	2.2	39	.4	1.0	2.1	2.2	37	.05	2.50	19	.09
02467430 - PONTA CREEK NR LIZELIA, MS (LAT 32 31 28 LONG 088 37 43)											
AUG , 1980 27...	5.5	23	.4	2.7	4.3	4.1	97	.13	.80	41	.32
02467459 - BIG REED CREEK NR TAMOLA, MS (LAT 32 33 25 LONG 088 31 45)											
AUG , 1980 27...	1.5	33	.3	.9	3.1	2.7	35	.05	.93	16	.08
02475209 - TALLASHUA CREEK AB LITTLE ROCK, MS (LAT 32 32 58 LONG 088 59 25)											
AUG , 1980 26...	2.5	25	.3	1.6	1.9	3.9	63	.09	.48	35	.21
02475580 - TALLAHATTA CREEK NR LITTLE ROCK, MS (LAT 32 30 03 LONG 088 55 06)											
AUG , 1980 26...	3.0	33	.4	1.8	1.9	2.8	36	.05	.15	24	.14
02475800 - TALLACHULA CREEK NR DAMASCUS, MS (LAT 32 38 28 LONG 088 51 29)											
AUG , 1980 26...	2.1	23	.2	1.3	1.0	2.8	49	.07	.09	28	.09

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
02448190 - RUNNING WATER CREEK NR SHUQUALAK, MS (LAT 33 01 05 LONG 088 36 50)											
AUG , 1980 25...	.010	.15	0	<10	<10	<10	<10	1500	1400	70	3500
02448310 - WAHALAK CREEK AT WAHALAK, MS (LAT 32 53 42 LONG 088 32 18)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--
02467091 - SUCARNOOCHEE CREEK BL DEKALB, MS (LAT 32 47 41 LONG 088 37 43)											
AUG , 1980 25...	.000	.17	0	<10	<10	<10	<10	1300	1200	90	3800
02467290 - PAWTICFAW CREEK WEST OF PORTERVILLE, MS (LAT 32 40 26 LONG 088 32 12)											
AUG , 1980 27...	.000	.12	0	<10	<10	10	<10	940	820	120	3400
02467390 - BLACKWATER CREEK NR OAK GROVE, MS (LAT 32 38 27 LONG 088 32 10)											
AUG , 1980 27...	.000	.09	0	<10	<10	<10	<10	940	820	120	720
02467430 - PONTA CREEK NR LIZELIA, MS (LAT 32 31 28 LONG 088 37 43)											
AUG , 1980 27...	.010	.33	0	<10	<10	<10	<10	2500	2400	150	3800
02467459 - BIG REED CREEK NR TAMOLA, MS (LAT 32 33 25 LONG 088 31 45)											
AUG , 1980 27...	.000	.08	0	<10	<10	<10	<10	1400	1200	230	460
02475209 - TALLASHUA CREEK AB LITTLE ROCK, MS (LAT 32 32 58 LONG 088 59 25)											
AUG , 1980 26...	.000	.21	0	<10	10	<10	<10	1600	1200	380	200
02475580 - TALLAHATTA CREEK NR LITTLE ROCK, MS (LAT 32 30 03 LONG 088 55 06)											
AUG , 1980 26...	.000	.14	0	<10	<10	<10	<10	1400	830	570	1000
02475800 - TALLACHULA CREEK NR DAMASCUS, MS (LAT 32 38 28 LONG 088 51 29)											
AUG , 1980 26...	.000	.09	0	<10	<10	<10	<10	1700	1200	470	1000

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
02448190 - RUNNING WATER CREEK NR SHUGUALAK, MS (LAT 33 01 05 LONG 088 36 50)											
AUG , 1980 25...	<10	90	20	70	410	.00	0	13	2.2	36	1.5
02448310 - WAHALAK CREEK AT WAHALAK, MS (LAT 32 53 42 LONG 088 32 18)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--
02467091 - SUCARNOOCHEE CREEK BL DEKALB, MS (LAT 32 47 41 LONG 088 37 43)											
AUG , 1980 25...	<10	90	40	50	1200	.00	0	7	1.9	24	3.0
02467290 - PAWTICFAW CREEK WEST OF PORTERVILLE, MS (LAT 32 40 26 LONG 088 32 12)											
AUG , 1980 27...	<10	60	20	40	360	.00	0	7	1.8	28	4.3
02467390 - BLACKWATER CREEK NR OAK GROVE, MS (LAT 32 38 27 LONG 088 32 10)											
AUG , 1980 27...	<10	50	10	40	18	.00	0	2	2.2	14	.94
02467430 - PONTA CREEK NR LIZELIA, MS (LAT 32 31 28 LONG 088 37 43)											
AUG , 1980 27...	<10	150	10	140	130	.00	0	9	5.2	23	.19
02467459 - BIG REED CREEK NR TAMOLA, MS (LAT 32 33 25 LONG 088 31 45)											
AUG , 1980 27...	<10	100	20	80	11	.00	0	1	2.8	15	.40
02475209 - TALLASHUA CREEK AB LITTLE ROCK, MS (LAT 32 32 58 LONG 088 59 25)											
AUG , 1980 26...	<10	260	0	260	18	.00	0	1	9.4	11	.08
02475580 - TALLAHATTA CREEK NR LITTLE ROCK, MS (LAT 32 30 03 LONG 088 55 06)											
AUG , 1980 26...	<10	120	0	120	130	.00	0	3	2.4	14	.06
02475800 - TALLACHULA CREEK NR DAMASCUS, MS (LAT 32 38 28 LONG 088 51 29)											
AUG , 1980 26...	<10	150	70	80	210	.00	0	2	4.4	38	.07

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
02475802 - OKATIBBEE CREEK NR KLONDIKE, MS (LAT 32 36 06 LONG 088 51 13)											
AUG , 1980 28...	1200	4.7	44	6.8	23.0	55	9.4	7.6	12	2.3	1.6
02475810 - HOUSTON CREEK NR KLONDIKE, MS (LAT 32 36 09 LONG 088 51 37)											
AUG , 1980 28...	1300	.00	--	--	--	--	--	--	--	--	--
02475850 - CHICKASAWHAY CREEK NR KLONDIKE, MS (LAT 32 35 28 LONG 088 47 05)											
AUG , 1980 28...	1000	1.6	75	6.8	23.0	20	4.5	6.5	21	4.0	2.7
02481760 - NANIH WAIYA CREEK NR BOND, MS (LAT 32 55 10 LONG 088 47 05)											
AUG , 1980 25...	0930	.00	--	--	--	--	--	--	--	--	--
02481820 - BOGUE CHITTO NR BOND, MS (LAT 32 52 52 LONG 088 56 20)											
AUG , 1980 25...	0830	.00	--	--	--	--	--	--	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, VOLA-TILE, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
02475802 - OKATIBBEE CREEK NR KLONDIKE, MS (LAT 32 36 06 LONG 088 51 13)											
AUG , 1980 28...	2.1	25	.3	1.3	1.7	2.9	59	.08	.75	32	.11
02475810 - HOUSTON CREEK NR KLONDIKE, MS (LAT 32 36 09 LONG 088 51 37)											
AUG , 1980 28...	--	--	--	--	--	--	--	--	--	--	--
02475850 - CHICKASAWHAY CREEK NR KLONDIKE, MS (LAT 32 35 28 LONG 088 47 05)											
AUG , 1980 28...	3.9	27	.4	1.9	2.7	3.7	71	.10	.31	28	.12
02481760 - NANIH WAIYA CREEK NR BOND, MS (LAT 32 55 10 LONG 088 47 05)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--
02481820 - BOGUE CHITTO NR BOND, MS (LAT 32 52 52 LONG 088 56 20)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
02475802 - OKATIBBEE CREEK NR KLONDIKE, MS (LAT 32 36 06 LONG 088 51 13)											
AUG , 1980 28...	.000	.11	0	<10	<10	<10	<10	1600	1100	540	1400
02475810 - HOUSTON CREEK NR KLONDIKE, MS (LAT 32 36 09 LONG 088 51 37)											
AUG , 1980 28...	--	--	--	--	--	--	--	--	--	--	--
02475850 - CHICKASAWHAY CREEK NR KLONDIKE, MS (LAT 32 35 28 LONG 088 47 05)											
AUG , 1980 28...	.000	.12	0	<10	<10	30	<10	1200	420	780	7900
02481760 - NANIH WAIYA CREEK NR BOND, MS (LAT 32 55 10 LONG 088 47 05)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--
02481820 - BOGUE CHITTO NR BOND, MS (LAT 32 52 52 LONG 088 56 20)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
02475802 - OKATIBBEE CREEK NR KLONDIKE, MS (LAT 32 36 06 LONG 088 51 13)											
AUG , 1980 28...	<10	90	20	70	130	.00	0	3	3.7	14	.18
02475810 - HOUSTON CREEK NR KLONDIKE, MS (LAT 32 36 09 LONG 088 51 37)											
AUG , 1980 28...	--	--	--	--	--	--	--	--	--	--	--
02475850 - CHICKASAWHAY CREEK NR KLONDIKE, MS (LAT 32 35 28 LONG 088 47 05)											
AUG , 1980 28...	10	110	0	110	1500	.00	0	6	3.8	12	.05
02481760 - NANIH WAIYA CREEK NR BOND, MS (LAT 32 55 10 LONG 088 47 05)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--
02481820 - BOGUE CHITTO NR BOND, MS (LAT 32 52 52 LONG 088 56 20)											
AUG , 1980 25...	--	--	--	--	--	--	--	--	--	--	--

Stations for short-term water-quality studies were established on selected stream reaches and estuaries to collect water-quality data systematically over a 24- to 72-hour period for use in hydrologic analysis. These data are collected during intensive water-quality studies generally conducted at lower stream discharge and higher stream temperature. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS

02472551 - OKATOMA CREEK AT COATS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
12...	0845	17	57	6.6	26.0	6.4
12...	1100	16	56	6.6	26.5	6.7
12...	1530	17	57	6.7	28.0	7.3
12...	1845	16	57	6.7	28.5	7.8
12...	2245	16	59	6.7	27.5	6.7
13...	0245	16	59	6.7	27.5	6.6
13...	0700	17	58	6.7	26.5	6.6
13...	1100	16	59	6.7	27.0	6.9
13...	1500	16	60	6.7	28.5	7.4
13...	1845	16	61	6.8	28.5	7.0
13...	2245	16	61	6.7	27.5	6.7
14...	0245	16	63	6.8	27.0	6.6
14...	0645	16	58	6.7	26.0	6.7
14...	1105	16	62	6.7	27.0	6.8

DATE	TIME	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
AUG									
12...	1530	18	1.1	560	370	.40	.010	.41	.050
12...	2245	--	--	--	--	.41	.000	.41	.030
13...	0700	20	1.5	430	760	.40	.000	.40	.040
13...	1500	--	--	--	--	.40	.010	.41	.050

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
AUG									
12...	.06	.11	.16	.57	2.5	.060	.06	.18	.020
12...	.04	.18	.21	.62	2.7	.040	.03	.12	.010
13...	.05	.17	.21	.61	2.7	.040	.03	.12	.010
13...	.06	.21	.26	.67	3.0	.050	.03	.15	.010

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS--Continued

02472560 - GOODWATER CREEK NR MAGEE, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
12...	0900	14	33	6.2	22.0	7.3
12...	1115	14	35	6.3	22.5	7.3
12...	1515	14	37	6.4	24.0	6.9
12...	1900	14	40	6.3	23.5	6.4
12...	2300	14	42	6.3	22.5	6.3
13...	0300	14	40	6.3	22.0	6.2
13...	0715	14	34	6.3	22.0	7.6
13...	1115	14	36	6.4	23.0	7.4
13...	1530	14	40	6.5	24.5	7.0
13...	1900	13	38	6.4	23.5	6.6
13...	2300	13	39	6.3	23.0	6.4
14...	0300	13	40	6.3	23.5	6.3
14...	0700	14	34	6.4	22.0	7.1
14...	1120	14	35	6.5	22.5	7.4

DATE	TIME	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
AUG									
12...	1515	14	3.0	>6000	1800	.70	.010	.71	.210
12...	2300	--	--	--	--	.72	.010	.73	.190
13...	0715	15	1.7	K15000	<1000	.69	.010	.70	.100
13...	1530	--	--	--	--	.70	.010	.71	.260

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
AUG									
12...	.25	.11	.32	1.0	4.6	.250	.55	.77	.180
12...	.23	.09	.28	1.0	4.5	.220	.46	.67	.150
13...	.12	.13	.23	.93	4.1	.090	.25	.28	.080
13...	.31	.07	.33	1.0	4.6	.210	.49	.64	.160

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY SUTIDES

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS--Continued

02472567 - GOODWATER CREEK AT COATS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
11...	1800	22	35	6.3	24.5	6.3
11...	1900	--	--	--	--	6.0
11...	2000	--	--	--	--	5.8
11...	2100	--	--	--	--	5.7
11...	2200	--	--	--	--	5.6
11...	2300	--	--	--	--	5.6
11...	2400	--	--	--	--	5.5
12...	0100	--	--	--	--	5.5
12...	0200	--	--	--	--	5.6
12...	0300	--	--	--	--	5.7
12...	0400	--	--	--	--	5.7
12...	0500	--	--	--	--	5.8
12...	0600	--	--	--	--	5.9
12...	0700	22	--	--	22.5	6.0
12...	0800	22	--	--	22.0	6.2
12...	0815	22	40	6.4	22.5	6.4
12...	0900	22	--	--	22.0	6.7
12...	1000	22	--	--	22.5	7.2
12...	1030	22	37	6.4	22.5	7.2
12...	1100	22	--	--	22.5	7.4
12...	1200	22	--	--	23.0	7.6
12...	1300	22	--	--	23.5	7.8
12...	1400	22	--	--	24.0	8.0
12...	1430	22	35	6.6	25.0	7.7
12...	1500	22	--	--	24.5	7.5
12...	1600	22	--	--	24.5	7.5
12...	1700	21	--	--	25.0	7.5
12...	1800	21	--	--	25.0	7.5
12...	1830	21	41	6.6	25.0	7.5
12...	1900	21	--	--	25.0	7.4
12...	2000	21	--	--	24.5	7.3
12...	2100	21	--	--	24.0	7.2
12...	2200	21	--	--	24.0	7.2
12...	2230	21	44	6.4	24.0	7.1
12...	2300	21	--	--	24.0	7.0
12...	2400	21	--	--	23.5	6.7
13...	0100	21	--	--	23.5	6.5
13...	0200	21	--	--	23.5	6.5
13...	0230	21	43	6.3	23.0	6.3
13...	0300	21	--	--	23.0	6.3
13...	0400	22	--	--	23.0	6.3
13...	0500	22	--	--	23.0	6.3
13...	0600	22	--	--	23.0	6.3
13...	0630	22	41	6.4	23.0	6.4
13...	0700	22	--	--	22.5	6.5
13...	0800	22	--	--	22.5	6.6
13...	0900	22	--	--	22.5	7.0
13...	1000	22	--	--	22.5	7.1
13...	1045	22	38	6.4	22.5	7.3
13...	1100	22	--	--	22.5	7.5
13...	1200	22	--	--	22.5	7.7
13...	1300	21	--	--	23.5	7.8
13...	1400	21	--	--	24.0	7.8
13...	1445	21	37	6.6	25.5	7.9
13...	1500	21	--	--	24.5	7.7
13...	1600	21	--	--	25.0	7.5
13...	1700	21	--	--	25.0	7.4
13...	1800	21	--	--	25.0	7.4
13...	1830	21	42	6.6	25.5	7.3
13...	1900	21	--	--	25.0	7.0
13...	2000	21	--	--	25.0	6.7
13...	2100	21	--	--	24.5	6.6
13...	2200	21	--	--	24.5	6.5
13...	2230	21	44	6.0	24.0	6.4
13...	2300	21	--	--	24.0	6.0
13...	2400	21	--	--	24.0	6.0
14...	0100	21	--	--	23.5	6.3
14...	0200	21	--	--	23.5	6.4
14...	0230	21	39	6.5	23.5	6.5
14...	0300	21	--	--	23.5	6.5
14...	0400	21	--	--	23.0	6.5
14...	0500	21	--	--	23.0	6.5
14...	0600	21	--	--	22.5	6.5
14...	0630	21	40	6.5	23.0	6.6
14...	0700	21	--	--	22.5	6.6
14...	0800	21	--	--	22.5	7.0
14...	0900	21	--	--	22.5	7.5
14...	1000	21	--	--	22.5	7.8
14...	1040	21	38	6.6	23.0	8.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY SUTIDES

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS--Continued

02472567 - GOODWATER CREEK AT COATS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
AUG									
12...	1430	19	2.2	K2400	550	.57	.000	.57	.160
12...	2230	--	--	--	--	.59	.010	.60	.180
13...	0630	23	2.7	K6600	1000	.58	.020	.60	.150
13...	1445	--	--	--	--	.59	.010	.60	.180
13...	2230	--	--	--	--	.60	.020	.62	.200
14...	0630	--	--	--	--	.48	.000	.48	.170

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
AUG									
12...	.19	.23	.39	.96	4.3	.200	.55	.61	.180
12...	.22	.18	.36	.96	4.3	.270	.58	.83	.190
13...	.18	.38	.53	1.1	5.0	.280	.58	.86	.190
13...	.22	.30	.48	1.1	4.8	.210	.49	.64	.160
13...	.24	.29	.49	1.1	4.9	.320	.64	.98	.210
14...	.21	.35	.52	1.0	4.4	.270	.49	.83	.160

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY SUTIDES

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS--Continued

02472580 - OKATOMA CREEK AT SARATOGA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
11...	1745	--	42	6.5	24.0	6.3
11...	2000	--	40	--	25.0	--
11...	2100	--	41	--	25.0	--
11...	2200	--	42	--	25.0	--
11...	2300	--	42	--	24.5	--
11...	2400	--	40	--	24.5	--
12...	0100	--	41	--	24.5	--
12...	0200	--	39	--	24.5	--
12...	0300	--	38	--	24.5	--
12...	0400	--	40	--	24.5	--
12...	0500	--	38	--	24.5	--
12...	0600	--	38	--	24.0	--
12...	0700	--	40	--	24.0	7.0
12...	0745	64	40	6.5	24.0	7.0
12...	0800	64	39	--	24.0	7.0
12...	0900	65	36	--	24.0	7.0
12...	1000	65	39	--	24.0	7.1
12...	1015	64	38	6.4	24.5	7.1
12...	1100	64	39	--	24.5	7.1
12...	1200	64	38	--	24.5	7.2
12...	1300	64	37	--	25.0	7.2
12...	1400	64	39	6.6	25.0	7.2
12...	1500	64	40	--	25.5	7.2
12...	1600	64	33	--	25.5	7.2
12...	1700	63	35	--	25.5	7.2
12...	1800	63	38	--	25.5	7.2
12...	1815	63	40	6.6	25.5	7.2
12...	1900	63	34	--	25.5	7.2
12...	2000	63	37	--	25.0	7.1
12...	2100	62	36	--	25.0	7.1
12...	2200	62	41	--	25.0	7.0
12...	2215	62	43	6.7	25.0	7.0
12...	2300	62	35	--	25.0	7.0
12...	2400	62	36	--	25.0	6.9
13...	0100	62	39	--	25.0	6.9
13...	0200	62	35	--	25.0	6.9
13...	0215	62	35	6.6	25.0	6.9
13...	0300	62	35	--	24.5	6.9
13...	0400	61	35	--	24.5	7.0
13...	0500	61	38	--	24.5	7.0
13...	0600	61	36	6.6	25.0	7.0
13...	0700	61	33	--	24.5	7.0
13...	0800	61	35	--	24.5	7.0
13...	0900	61	33	--	24.5	7.1
13...	1000	62	34	--	24.5	7.1
13...	1015	62	39	6.6	25.0	7.1
13...	1100	62	37	--	24.5	7.1
13...	1200	62	36	--	25.0	7.2
13...	1300	62	35	--	25.5	7.2
13...	1400	62	36	6.7	26.0	7.3
13...	1500	62	35	--	25.5	7.3
13...	1600	62	34	--	25.5	7.2
13...	1700	62	35	--	25.5	7.2
13...	1800	61	35	--	25.5	7.2
13...	1815	61	35	6.7	26.0	7.2
13...	1900	61	36	--	25.5	7.1
13...	2000	61	35	--	25.5	7.1
13...	2100	61	35	--	25.5	7.0
13...	2200	61	35	--	25.0	7.0
13...	2215	61	35	6.7	25.0	7.0
13...	2300	61	35	--	25.0	7.0
13...	2400	61	37	--	25.0	7.0
14...	0100	61	35	--	25.0	7.0
14...	0200	60	34	--	24.5	7.0
14...	0215	60	35	6.7	25.0	7.0
14...	0300	60	37	--	25.0	7.0
14...	0400	60	35	--	24.5	7.0
14...	0500	60	35	--	24.5	7.1
14...	0600	60	33	6.7	24.5	7.1
14...	0700	60	35	--	24.5	7.1
14...	0800	60	35	--	24.5	7.1
14...	0900	60	33	--	24.5	7.1
14...	1000	60	33	6.7	25.0	7.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY SUTIDES

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS--Continued

02472580 - OKATOMA CREEK AT SARATOGA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
AUG									
12...	1400	15	1.5	K130	370	.47	.000	.47	.040
12...	2215	--	--	--	--	.46	.000	.46	.040
13...	0600	18	1.5	K6200	280	.51	.000	.51	.030
13...	1400	--	--	--	--	.45	.010	.46	.050
14...	0600	--	--	--	--	.44	.010	.45	.050

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
AUG									
12...	.05	.16	.20	.67	3.0	.090	.21	.28	.070
12...	.05	.19	.23	.69	3.1	.090	.21	.28	.070
13...	.04	.15	.18	.69	3.0	.080	.21	.25	.070
13...	.06	.27	.32	.78	3.5	.090	.18	.28	.060
14...	.06	.20	.25	.70	3.1	.090	.21	.28	.070

DATE	TIME	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
AUG											
13...	1400	21	5.2	7	0	1.5	.9	3.8	.6	11	1.3

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
AUG											
13...	6.5	.1	10	54	.07	0.05	1	0	4	<10	11

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
AUG											
13...	<10	0	<0	2	<10	760	5300	2	20	140	1200

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)
AUG										
13...	.1	.00	0	<10	0	0	10	10	2.7	1

OKATOMA AND GOODWATER CREEKS STUDY NEAR MAGEE, MS--Continued

02472580 - OKATOMA CREEK AT SARATOGA, MS

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
AUG 13...	1400	.00	0	.0	.0	.00	.0	.0	10	.00	8.8	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
AUG 13...	.3	.00	1.4	.00	.00	.1	.00	.0	.00	.0	.00	.00

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
AUG 13...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
AUG 13...	.0	.00	.00	.00	0	0	.00	.00	.00	.00	.00

02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1917	1.0	71	7.1	28.5	7.1
23...	1918	5.0	69	6.5	28.5	7.0
23...	1919	10.0	68	6.6	28.5	6.9
24...	1120	1.0	70	7.1	28.5	6.7
24...	1121	5.0	73	6.7	28.5	6.5
24...	1122	10.0	72	6.7	28.5	6.5
24...	1123	12.0	--	--	--	--

02479342 - PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1906	1.0	90	7.0	28.0	7.3
23...	1907	5.0	85	7.1	28.5	7.2
23...	1908	10.0	90	7.1	28.5	6.9
23...	1909	15.0	150	7.1	28.5	6.7
23...	1910	20.0	260	6.8	28.5	6.5
23...	1911	25.0	2900	6.3	28.5	5.4
23...	1912	27.0	--	--	--	--
24...	1110	1.0	78	7.1	29.0	6.6
24...	1111	5.0	75	6.7	28.5	6.4
24...	1112	10.0	75	6.6	28.5	6.2
24...	1113	15.0	79	6.7	28.5	6.1
24...	1114	20.0	91	6.7	28.5	6.0
24...	1115	25.0	100	6.7	28.5	6.0
24...	1116	30.0	35000	6.3	28.5	2.9

302822088332500 - PASCAGOULA RIVER AT MI 11 024793422

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1900	1.0	140	7.3	28.5	7.7
23...	1901	5.0	210	7.3	28.5	7.1
23...	1902	10.0	350	7.1	28.5	7.0
23...	1903	15.0	440	7.1	28.5	6.8
23...	1904	19.0	2700	6.6	25.0	6.1
24...	1100	1.0	86	6.9	29.0	6.6
24...	1101	5.0	100	6.6	28.5	6.1
24...	1102	10.0	160	6.6	28.5	6.0
24...	1103	15.0	250	6.6	28.5	5.8
24...	1104	20.0	5400	6.5	28.0	.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302725088333700 - PASCAGOULA RIVER AT MI 10 024793427

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1855	1.0	560	7.4	28.5	7.2
23...	1856	5.0	800	7.2	28.5	7.7
23...	1857	10.0	960	7.2	28.5	7.7
23...	1858	15.0	2300	6.8	28.5	6.9
24...	1055	1.0	180	6.9	29.0	6.5
24...	1056	5.0	270	6.7	28.5	6.1
24...	1057	10.0	270	6.7	28.5	6.0
24...	1058	15.0	4300	6.4	28.5	3.5
24...	1059	17.0	--	--	--	--

302648088340600 - PASCAGOULA RIVER AT MI 9 024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1845	1.0	1450	7.2	28.5	7.1
23...	1846	5.0	1400	7.2	28.5	7.6
23...	1847	10.0	1600	7.2	28.5	7.7
23...	1848	15.0	3000	6.8	28.5	7.0
23...	1849	20.0	33400	6.3	27.0	1.9
23...	1850	23.0	34500	6.5	26.5	1.6
24...	1045	1.0	360	7.1	28.5	6.2
24...	1046	5.0	350	6.9	28.5	6.3
24...	1047	10.0	900	6.7	28.5	5.7
24...	1048	15.0	3800	6.8	28.0	2.3
24...	1049	20.0	3900	6.8	27.0	.8
24...	1050	25.0	4400	7.0	26.5	.5

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1836	1.0	2200	7.5	28.5	7.0
23...	1837	5.0	2400	7.2	28.5	7.6
23...	1838	10.0	5600	7.2	28.5	6.9
23...	1839	15.0	23000	6.7	27.5	3.8
23...	1840	20.0	34300	6.7	27.0	1.9
23...	1841	23.0	36400	6.8	26.5	1.5
24...	1031	1.0	660	8.0	28.5	5.1
24...	1032	5.0	900	7.8	28.5	5.1
24...	1033	10.0	3700	7.1	28.0	4.3
24...	1034	15.0	17900	6.6	27.5	2.5
24...	1035	20.0	33000	6.6	27.0	1.3
24...	1036	25.0	36200	6.8	26.5	1.3

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
23...	1835	3.4	200	270	.12	.010	.13	.160	.19
24...	1030	2.3	510	K87	.12	.020	.14	.180	.22

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
23...	.28	.44	.57	2.5	.040	.03	.12	.010	6.3
24...	.19	.37	.51	2.3	.040	.03	.12	.010	4.4

302526088333600 - PASCAGOULA RIVER AT MI 7 024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUN						
23...	1830	1.0	3000	7.6	28.5	7.3
23...	1831	5.0	3700	7.5	28.5	6.8
23...	1832	10.0	4700	7.4	28.5	6.8
23...	1833	14.0	7100	6.7	28.5	6.8
24...	1023	1.0	1200	7.4	28.5	6.3
24...	1024	5.0	1200	7.5	28.5	5.4
24...	1025	10.0	7400	6.8	28.0	3.9
24...	1026	15.0	30000	6.4	27.0	1.9
24...	1027	20.0	36000	6.6	26.5	1.5
24...	1028	24.0	38700	6.7	26.0	1.4

302541088290100 - ESCATAWPA RIVER AT MI 7 024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
24...	1256	1.0	37	5.8	27.0	3.7
24...	1257	5.0	34	5.8	27.0	3.7
24...	1258	10.0	34	5.9	27.0	3.7
24...	1259	15.0	34	5.9	27.0	3.6
24...	1300	20.0	34	5.9	27.0	3.7
24...	1301	25.0	34	5.8	27.0	3.5
24...	1302	30.0	34	5.7	27.0	3.4
24...	1303	35.0	35	5.6	27.0	3.4
24...	1304	39.0	34	5.6	27.0	3.2
24...	1941	1.0	44	5.3	27.0	4.9
24...	1942	5.0	44	5.5	27.0	4.9
24...	1943	10.0	44	5.3	27.0	4.5
24...	1944	15.0	43	5.4	27.0	4.1
24...	1945	20.0	43	5.5	27.0	4.4
24...	1946	25.0	43	5.5	27.0	4.1
24...	1947	30.0	44	5.5	27.0	4.1
24...	1948	35.0	43	5.5	27.0	4.3
24...	1949	39.0	44	5.5	27.0	4.3

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
24...	1255	2.4	K88	K110	.22	.010	.23	.060	.07
24...	1940	1.3	980	K150	.22	.010	.23	.100	.12

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
24...	.36	.42	.65	2.9	.030	.00	.09	.000	6.0
24...	.24	.34	.57	2.5	.030	.15	.09	.030	8.3

302512088292200 - ESCATAWPA RIVER AT MI 6 024802054

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	2040	1.0	40	6.7	27.0	5.6
23...	2041	5.0	40	6.5	27.0	5.4
23...	2042	10.0	40	6.3	27.0	5.3
23...	2043	15.0	40	6.1	27.0	5.3
23...	2044	20.0	40	6.0	27.0	5.2
24...	1249	1.0	40	6.5	27.5	4.9
24...	1250	5.0	40	5.9	27.5	4.0
24...	1251	10.0	40	5.9	27.5	3.9
24...	1252	15.0	40	6.0	27.0	4.4
24...	1253	20.0	40	6.1	27.0	4.1
24...	1254	23.0	47	5.9	27.0	3.8
24...	1935	1.0	50	5.6	27.0	5.0
24...	1936	5.0	48	5.3	27.0	5.0
24...	1937	10.0	49	5.3	27.0	4.9
24...	1938	15.0	50	5.5	27.0	4.9
24...	1939	20.0	51	5.6	27.0	4.8

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302515088301300 - ESCATAWPA RIVER AT MI 5 024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	2033	1.0	400	7.2	27.0	5.7
23...	2034	5.0	460	6.9	27.0	5.3
23...	2035	10.0	800	6.6	27.0	5.1
23...	2036	15.0	1100	6.5	27.0	4.8
23...	2037	18.0	1600	6.5	27.0	3.7
24...	1241	1.0	185	6.2	27.5	4.7
24...	1242	5.0	180	5.9	27.5	4.1
24...	1243	10.0	340	6.0	27.0	3.8
24...	1244	15.0	620	5.9	27.0	3.4
24...	1245	20.0	5000	6.6	27.0	1.6
24...	1246	25.0	4900	6.8	27.0	.4
24...	1247	30.0	48000	6.8	27.0	.4
24...	1248	35.0	46000	6.7	27.0	.3
24...	1926	1.0	215	6.5	26.5	4.5
24...	1927	5.0	280	6.0	27.0	4.1
24...	1928	10.0	290	5.5	27.0	3.6
24...	1929	15.0	320	5.6	27.0	4.2
24...	1930	20.0	6000	6.7	27.0	.9
24...	1931	25.0	5600	6.8	27.0	.1

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
24...	1240	3.6	1800	240	.16	.010	.17	.290	.35
24...	1925	3.8	1100	K67	.14	.010	.15	.340	.41

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
24...	.25	.54	.71	3.1	.070	.06	.21	.020	6.2
24...	.53	.87	1.0	4.5	.070	.06	.21	.020	7.2

302528088304400 - ESCATAWPA RIVER AT MI 4 024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	2027	1.0	1100	7.2	27.0	5.5
23...	2028	5.0	1300	7.0	27.0	5.1
23...	2029	10.0	1700	6.8	27.0	4.8
23...	2030	15.0	4700	6.4	27.5	3.6
23...	2031	20.0	32000	6.1	26.5	1.5
23...	2032	23.0	33400	6.4	26.5	1.4
24...	1230	1.0	285	6.6	27.5	4.5
24...	1231	5.0	430	6.5	27.5	3.8
24...	1232	10.0	570	6.3	27.5	4.0
24...	1233	15.0	5000	6.5	27.5	1.2
24...	1234	20.0	5000	6.8	27.0	.4
24...	1235	25.0	4800	6.7	26.5	.4
24...	1236	28.0	--	--	--	--
24...	1915	1.0	740	5.7	26.5	4.9
24...	1916	5.0	720	5.7	26.5	3.8
24...	1917	10.0	850	5.8	27.0	3.3
24...	1918	15.0	1200	5.8	27.0	3.3
24...	1919	20.0	6000	6.7	26.5	.3
24...	1920	25.0	5700	6.7	26.5	.3

302455088313100 - ESCATAWPA RIVER AT MI 3 024802061

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	2020	1.0	2900	7.0	27.5	4.0
23...	2021	5.0	2960	7.0	27.5	3.9
23...	2022	10.0	3200	6.9	27.5	3.9
23...	2023	15.0	8200	6.5	27.5	1.9
24...	1216	1.0	990	7.5	28.0	4.3
24...	1217	5.0	1200	7.2	28.0	3.5
24...	1218	10.0	3200	6.8	27.5	2.4
24...	1219	15.0	15000	6.4	27.0	1.4
24...	1220	17.0	--	--	--	--
24...	1906	1.0	2000	5.9	27.5	4.4
24...	1907	5.0	2000	6.0	27.5	4.2
24...	1908	10.0	2000	6.0	27.5	3.9
24...	1909	15.0	8000	5.9	27.5	1.5
24...	1910	20.0	36000	6.2	26.5	1.5

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
24...	1215	3.4	6600	1000	.19	.010	.20	.350	.42
24...	1905	3.2	K1000	5000	.16	.010	.17	.310	.38

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
24...	.39	.74	.94	4.2	.090	.12	.28	.040	8.1
24...	.52	.83	1.0	4.4	.080	.09	.25	.030	9.8

302459088320800 - ESCATAWPA RIVER AT MI 2 024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	2010	1.0	3100	6.9	27.5	4.5
23...	2011	5.0	3250	6.9	27.5	4.0
23...	2012	10.0	3900	6.8	27.5	3.3
23...	2013	15.0	8600	6.5	27.5	1.5
23...	2014	20.0	35900	6.2	26.5	1.5
24...	1205	1.0	2600	7.3	28.0	3.9
24...	1206	5.0	2700	7.2	27.5	3.5
24...	1207	10.0	3900	6.9	27.5	2.8
24...	1208	15.0	12900	6.6	27.5	1.4
24...	1209	20.0	37000	6.4	26.5	1.5
24...	1210	23.0	37600	6.7	26.0	1.4
24...	1857	1.0	1900	6.0	28.0	3.2
24...	1858	5.0	2000	6.1	28.0	3.5
24...	1859	10.0	2600	6.0	28.0	3.0
24...	1900	15.0	4700	6.0	27.5	2.4
24...	1901	20.0	35900	6.0	26.5	1.4
24...	1902	25.0	40000	6.4	26.0	1.3
24...	1903	30.0	40500	6.7	26.0	1.2
24...	1904	35.0	40400	6.8	26.0	1.1

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1950	1.0	3500	6.9	27.5	5.1
23...	1951	5.0	3300	7.0	28.0	4.6
23...	1952	10.0	3800	7.0	27.5	3.9
23...	1953	15.0	19700	6.4	27.5	1.6
23...	1954	20.0	37300	6.5	26.5	1.3
23...	1955	25.0	40000	6.7	26.0	1.3
24...	1151	1.0	3300	7.2	28.0	4.2
24...	1152	5.0	3300	7.0	28.0	3.7
24...	1153	10.0	4100	6.8	27.5	2.6
24...	1154	15.0	24000	6.4	27.0	2.1
24...	1155	20.0	38000	6.7	26.0	1.3
24...	1156	25.0	39000	6.8	26.0	1.3
24...	1157	26.0	--	--	--	--
24...	1841	1.0	3170	7.5	28.0	4.1
24...	1842	5.0	3200	7.4	28.0	3.6
24...	1843	10.0	3400	7.3	28.0	3.2
24...	1844	15.0	4000	7.1	28.0	2.5
24...	1845	20.0	34000	6.4	26.5	1.3
24...	1846	25.0	40000	6.7	26.0	1.3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
24...	1150	2.8	990	K200	.14	.010	.15	.320	.39
24...	1840	1.8	K1200	730	.16	.010	.17	.390	.47

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
24...	.33	.65	.80	3.5	.080	.09	.25	.030	6.6
24...	.30	.69	.86	3.8	.080	.12	.25	.040	8.2

DATE	TIME	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
JUN								
24...	1840	860	48	180	1700	80	25	64

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	PHENOLS (UG/L)
JUN								
24...	600	3800	1	0	11	40	4	1

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUN						
23...	1940	1.0	3370	7.0	28.0	5.5
23...	1941	5.0	3300	7.0	28.0	5.1
23...	1942	10.0	4300	6.8	28.0	4.6
23...	1943	15.0	36800	6.3	27.0	1.6
23...	1944	20.0	39000	6.5	26.0	1.4
23...	1945	25.0	40300	6.6	26.0	1.3
23...	1946	27.0	--	--	--	--
24...	1140	1.0	3900	6.7	28.0	4.6
24...	1141	5.0	4200	6.9	28.0	4.5
24...	1142	10.0	5300	6.9	27.5	3.7
24...	1143	15.0	29800	6.4	27.0	2.1
24...	1144	20.0	35900	6.5	26.0	1.4
24...	1145	25.0	39000	6.7	26.0	1.4
24...	1146	30.0	39800	6.9	25.5	1.3
24...	1830	1.0	3800	7.0	28.0	4.1
24...	1831	5.0	3900	7.0	28.0	4.1
24...	1832	10.0	4000	6.9	28.0	4.0
24...	1833	15.0	7500	6.7	28.0	2.8
24...	1834	20.0	35800	6.3	26.5	1.4
24...	1835	25.0	40000	6.6	26.0	1.4
24...	1836	30.0	40400	6.8	25.5	1.3

302507088342800 - PASCAGOULA RIVER AT MI 6 024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1821	1.0	3400	7.0	28.0	7.3
23...	1822	5.0	4600	7.1	28.0	6.8
23...	1823	10.0	13500	6.6	27.5	5.6
23...	1824	15.0	30500	6.6	27.0	2.5
24...	1016	1.0	2800	7.1	28.5	6.0
24...	1017	5.0	2800	7.3	28.5	5.8
24...	1018	10.0	14000	6.8	27.5	3.5
24...	1019	15.0	35900	6.8	26.0	1.8
24...	1020	20.0	38200	6.9	26.0	1.3
24...	1021	23.0	39300	6.9	26.0	1.3

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
23...	1820	3.8	K1400	390	.18	.010	.19	.180	.22
24...	1015	2.5	K1200	180	.12	.010	.13	.180	.22

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
23...	.20	.38	.57	2.5	.050	.03	.15	.010	4.2
24...	.31	.49	.62	2.7	.050	.03	.15	.010	4.5

302430088350400 - PASCAGOULA RIVER AT MI 5 024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1815	1.0	4400	7.0	28.0	7.8
23...	1816	5.0	5900	7.0	28.0	7.5
23...	1817	10.0	17000	6.7	28.0	5.1
23...	1818	15.0	41400	6.7	26.0	2.6
24...	1005	1.0	5600	7.9	28.0	5.0
24...	1006	5.0	6200	7.8	27.5	4.7
24...	1007	10.0	20000	7.5	27.0	3.2
24...	1008	15.0	40400	6.9	25.5	1.8
24...	1009	18.0	41100	6.9	25.5	1.5

302345088343800 - PASCAGOULA RIVER AT MI 4 024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1801	1.0	6100	6.8	28.0	8.2
23...	1802	5.0	8500	7.1	28.0	7.0
23...	1803	10.0	10800	7.2	28.0	6.1
23...	1804	15.0	27000	7.0	27.0	3.8
24...	0956	1.0	4600	7.9	28.0	5.3
24...	0957	5.0	13200	7.6	27.5	4.0
24...	0958	10.0	32000	7.2	26.0	2.5
24...	0959	15.0	42000	6.8	25.5	1.7
24...	1000	17.0	42000	6.6	25.5	1.7

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
23...	1800	3.8	2500	310	.17	.010	.18	.190	.23
24...	0955	3.2	600	370	.10	.020	.12	.150	.18

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
23...	.28	.47	.65	2.9	.050	.03	.15	.010	8.6
24...	.47	.62	.74	3.3	.060	.03	.18	.010	4.9

302319088335400 - PASCAGOULA RIVER AT MI 3 024802091

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1750	1.0	7500	7.5	28.0	7.1
23...	1751	5.0	7600	8.1	28.0	7.2
23...	1752	10.0	12400	8.2	28.0	6.4
23...	1753	15.0	30000	7.8	26.5	3.0
23...	1754	20.0	38000	7.6	26.0	2.2
23...	1755	25.0	43000	7.6	25.5	1.8
23...	1756	30.0	43000	7.5	25.5	1.8
23...	1757	35.0	43400	7.5	25.5	1.9
23...	1758	40.0	43500	7.4	25.5	1.9
23...	1759	45.0	43800	7.1	25.5	2.8
24...	0945	1.0	8300	8.0	28.0	5.6
24...	0946	5.0	8560	8.1	28.0	5.6
24...	0947	10.0	30800	7.6	26.0	2.6
24...	0948	15.0	41500	7.5	25.0	1.4
24...	0949	20.0	42000	7.5	25.0	1.4
24...	0950	25.0	42300	7.4	25.0	1.4
24...	0951	30.0	42600	7.3	25.0	1.4
24...	0952	35.0	43000	7.2	25.0	1.4
24...	0953	40.0	43200	7.1	25.0	1.3
24...	0954	45.0	43600	6.9	25.0	1.1

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1731	1.0	8200	7.8	28.0	7.8
23...	1732	5.0	9420	7.7	28.0	7.7
23...	1733	10.0	9900	7.6	28.0	6.5
23...	1734	15.0	39400	7.0	27.0	2.7
23...	1735	20.0	42200	7.2	25.5	2.4
23...	1736	25.0	43900	7.3	25.0	2.3
23...	1737	27.0	44100	7.4	25.0	2.2
24...	0931	1.0	12500	7.5	27.5	6.2
24...	0932	5.0	14000	7.4	27.5	4.4
24...	0933	10.0	27000	7.2	27.0	3.1
24...	0934	15.0	41000	7.2	26.0	1.6
24...	0935	25.0	42600	7.3	25.5	1.5
24...	0936	28.0	43000	7.5	25.0	1.5

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
23...	1730	3.5	K650	190	.16	.010	.17	.160	.19
24...	0930	3.3	510	570	.07	.030	.10	.200	.24

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
23...	.39	.55	.72	3.2	.020	.00	.06	.000	6.7
24...	.13	.33	.43	1.9	.050	.06	.15	.020	4.0

DATE	TIME	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)
JUN								
23...	1730	1700	89	350	3200	78	34	200

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	PHENOLS (UG/L)
JUN								
23...	530	4200	2	0	12	25	8	3

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1720	1.0	11200	7.2	28.0	5.6
23...	1721	5.0	13000	7.2	28.0	5.6
23...	1722	10.0	32800	7.0	27.0	4.0
23...	1723	15.0	41000	7.0	26.0	2.5
23...	1724	20.0	43200	7.2	25.5	1.9
23...	1725	25.0	43800	7.3	25.0	2.1
23...	1726	30.0	44100	7.4	25.0	2.2
23...	1727	35.0	44200	7.5	25.0	2.2
23...	1728	40.0	44200	7.5	24.5	2.2
24...	0915	1.0	15100	7.3	27.5	5.7
24...	0916	5.0	20800	7.2	27.0	4.3
24...	0917	10.0	36400	7.1	26.0	2.9
24...	0918	15.0	40600	7.2	26.0	2.4
24...	0919	20.0	42300	7.4	25.5	1.8
24...	0920	25.0	42400	7.4	25.5	1.6
24...	0921	30.0	43200	7.5	25.0	1.6
24...	0922	35.0	43000	7.5	25.0	1.6
24...	0923	40.0	43000	7.5	24.5	1.5
24...	0924	41.0	--	--	--	--

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
23...	1651	1.0	16000	7.0	28.0	6.7
23...	1652	5.0	24600	6.9	27.5	5.3
23...	1653	10.0	38300	7.0	26.5	2.5
23...	1654	15.0	42500	7.1	25.5	1.6
23...	1655	20.0	43000	7.2	25.5	1.5
23...	1656	25.0	43800	7.3	25.0	1.7
23...	1657	30.0	44100	7.4	25.0	1.7
23...	1658	35.0	44500	7.5	24.5	3.3
23...	1659	40.0	44500	7.6	24.5	3.5
24...	0901	1.0	15800	7.6	27.5	6.0
24...	0902	5.0	20000	7.5	27.0	6.1
24...	0903	10.0	40000	7.7	25.5	3.0
24...	0904	15.0	42000	7.6	25.0	2.5
24...	0905	20.0	42200	7.6	25.0	1.7
24...	0906	25.0	42700	7.5	25.0	1.7
24...	0907	30.0	43100	7.5	25.0	1.8
24...	0908	35.0	43600	7.4	25.0	2.0
24...	0909	40.0	44400	7.3	24.5	2.0
24...	0910	45.0	44600	7.1	24.5	1.5

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN									
23...	1650	3.8	430	350	.27	.020	.29	.400	.48
24...	0900	3.0	370	490	.06	.030	.09	.150	.18

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN									
23...	.54	.94	1.2	5.4	.060	.06	.18	.020	3.6
24...	.05	.20	.29	.13	.050	.09	.15	.030	3.5

LITTLE COPIAH CREEK STUDY NEAR CRYSTAL SPRINGS, MS

02487877 - LITTLE COPIAH CREEK NR CRYSTAL SPRINGS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
19...	0600	.57	483	7.3	25.5	2.1
19...	0700	.61	482	--	25.0	1.8
19...	0800	.70	480	--	25.0	1.9
19...	0900	.78	476	--	25.0	2.1
19...	1000	.84	471	--	25.5	2.2
19...	1040	.86	469	7.3	26.0	2.0
19...	1100	.86	467	--	25.5	2.3
19...	1200	.86	468	--	26.0	2.4
19...	1300	.84	469	--	26.5	2.5
19...	1330	.84	468	7.4	27.0	2.4
19...	1400	.84	467	--	27.0	2.6
19...	1500	.78	468	--	27.5	2.4
19...	1600	.78	476	--	27.5	2.4
19...	1700	.74	483	--	28.0	2.2
19...	1800	.74	486	7.4	28.0	1.8
19...	1900	.78	484	--	28.0	1.9
19...	2000	.84	479	--	25.0	1.9
19...	2100	.86	473	--	27.5	1.7
19...	2200	.86	461	7.3	27.5	1.7
19...	2300	.86	460	--	27.0	1.7
19...	2400	.86	458	--	26.5	1.7
20...	0100	.86	462	--	26.5	1.8
20...	0200	.86	470	7.2	26.5	1.6
20...	0300	.78	477	--	26.0	1.8
20...	0400	.70	480	--	25.5	1.8
20...	0500	.61	481	--	25.5	1.8
20...	0600	.57	481	--	25.0	1.8
20...	0610	.57	480	7.2	25.5	1.8
20...	0700	.61	479	--	25.0	1.8
20...	0800	.70	476	--	25.0	1.8
20...	0900	.78	474	--	25.0	1.9
20...	1000	.86	471	--	25.5	2.1
20...	1040	.90	470	7.3	26.0	2.2
20...	1100	.90	468	--	25.5	2.0
20...	1200	.86	471	--	26.0	2.4
20...	1300	.84	470	--	26.5	2.5
20...	1400	.78	469	--	27.0	2.5
20...	1500	.78	468	7.3	27.5	2.6
20...	1600	.74	464	--	28.0	2.5
20...	1700	.70	462	--	27.5	2.2
20...	1800	.70	461	7.3	28.0	2.0
20...	1900	.74	460	--	28.0	2.1
20...	2000	.78	454	--	27.5	2.0
20...	2100	.84	447	--	27.5	1.9
20...	2200	.86	441	7.3	27.5	1.7
20...	2300	.86	439	--	27.0	1.8
20...	2400	.86	442	--	27.0	1.8
21...	0100	.84	451	--	26.5	1.8
21...	0200	.84	461	7.3	26.5	1.6
21...	0300	.78	469	--	26.0	1.8
21...	0400	.70	475	--	26.0	1.8
21...	0500	.66	475	--	25.5	1.9
21...	0600	.61	476	7.2	26.0	1.9
21...	0700	.70	473	--	25.5	1.9
21...	0800	.74	471	--	25.5	2.0
21...	0900	.78	466	--	25.5	2.0
21...	1000	.84	461	--	25.5	2.2
21...	1015	.86	460	7.2	26.0	2.2
21...	1100	.86	458	--	26.0	2.1
21...	1200	.86	457	--	26.0	2.2
21...	1300	.86	456	--	26.5	2.4
21...	1400	.86	456	--	27.0	2.6
21...	1420	--	--	--	--	2.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

LITTLE COPIAH CREEK STUDY NEAR CRYSTAL SPRINGS, MS--Continued

02487677 - LITTLE COPIAH CREEK NR CRYSTAL SPRINGS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
AUG									
19...	1330	--	14	2200	6700	.21	.310	.52	14.000
19...	2200	--	--	--	--	.37	.250	.62	12.000
20...	0610	50	12	600	4600	.25	.200	.45	14.000
20...	1500	--	--	--	--	.25	.330	.58	12.000
20...	2200	--	--	--	--	.42	.240	.66	11.000
21...	0600	--	--	--	--	.33	.200	.53	14.000

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
AUG									
19...	17	3.0	17	18	78	6.200	19	19	6.200
19...	15	3.0	15	16	69	6.600	20	20	6.600
20...	17	3.0	17	17	77	6.400	18	20	5.900
20...	15	4.0	16	17	73	5.300	16	16	5.300
20...	13	1.0	12	13	56	5.600	17	17	5.600
21...	17	6.0	20	21	91	4.800	15	15	4.800

LITTLE COPIAH CREEK STUDY NEAR CRYSTAL SPRINGS, MS--Continued

02487880 - LITTLE COPIAH CREEK NR GALLMAN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
19...	0625	2.4	142	6.7	24.0	4.8
19...	1020	2.4	139	6.7	24.0	4.8
19...	1355	2.3	139	6.9	27.0	7.2
19...	1820	2.4	143	6.9	28.0	6.4
19...	2220	2.4	148	6.7	26.0	4.6
20...	0220	2.4	144	6.5	25.0	4.5
20...	0625	2.8	149	6.5	24.0	4.7
20...	1000	2.6	151	6.7	24.0	5.1
20...	1445	2.4	153	6.9	28.0	7.6
20...	1820	2.4	159	6.9	28.0	6.5
20...	2220	2.4	154	6.7	26.5	4.5
21...	0220	2.6	148	6.6	25.5	4.5
21...	0615	2.3	155	6.6	24.5	4.5
21...	0945	2.4	155	6.8	25.0	4.9

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)
AUG									
19...	1355	2.1	560	580	2.1	.120	2.2	.300	.36
19...	2220	--	--	--	2.3	.070	2.4	.280	.34
20...	0625	3.8	410	2100	2.4	.110	2.5	.410	.50
20...	1445	--	--	--	2.2	.160	2.4	.480	.58

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
AUG								
19...	.38	.68	2.9	13	1.200	3.4	3.7	1.100
19...	.50	.78	3.2	14	1.200	3.4	3.7	1.100
20...	.35	.76	3.3	14	1.000	3.1	3.1	1.000
20...	.34	.82	3.2	14	1.300	4.0	4.0	1.300

LITTLE COPIAH CREEK STUDY NEAR CRYSTAL SPRINGS, MS--Continued

02487892 - LITTLE COPIAH CREEK BL GALLMAN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
AUG						
19...	0645	6.9	80	6.8	24.0	7.2
19...	0700	6.9	--	--	--	6.6
19...	0800	6.9	82	--	23.5	6.7
19...	0900	6.9	82	--	26.5	6.8
19...	0950	6.9	77	7.0	24.0	6.8
19...	1000	6.9	--	--	--	7.0
19...	1100	6.9	--	--	--	7.3
19...	1200	6.9	--	--	--	7.5
19...	1300	6.9	--	--	--	7.8
19...	1400	6.9	--	--	--	7.9
19...	1415	6.9	75	6.6	26.5	7.9
19...	1500	6.9	--	--	--	7.9
19...	1600	6.9	82	--	27.0	7.5
19...	1700	6.8	82	--	26.5	7.6
19...	1800	6.8	82	--	26.5	7.4
19...	1840	6.8	82	6.8	26.5	7.1
19...	1900	6.8	82	--	26.5	7.0
19...	2000	6.8	82	--	26.0	6.8
19...	2100	6.8	82	--	25.5	6.7
19...	2200	6.8	82	--	25.5	6.6
19...	2240	6.8	82	6.6	26.0	6.7
19...	2300	6.8	82	--	25.5	6.5
19...	2400	6.8	82	--	25.0	6.5
20...	0100	6.8	83	--	25.0	6.5
20...	0200	6.8	82	--	25.0	6.5
20...	0240	6.8	83	6.6	25.0	6.6
20...	0300	6.8	84	--	24.5	6.5
20...	0400	6.8	83	--	24.0	6.6
20...	0500	6.9	82	--	24.0	6.7
20...	0600	6.9	82	--	24.0	6.8
20...	0655	6.9	82	6.5	24.0	7.0
20...	0700	6.9	82	--	23.5	6.8
20...	0800	6.9	82	--	23.5	6.8
20...	0900	6.9	82	--	23.5	6.9
20...	1000	6.9	82	--	23.5	7.0
20...	1015	6.9	82	6.8	24.0	7.5
20...	1100	6.9	82	--	24.0	7.2
20...	1200	6.9	83	--	24.5	7.5
20...	1300	6.9	82	--	25.5	7.8
20...	1400	6.9	78	6.8	26.0	8.0
20...	1500	6.9	83	--	26.5	7.8
20...	1600	6.9	82	--	26.5	7.8
20...	1700	6.8	82	--	26.5	7.6
20...	1800	6.8	82	--	26.5	7.2
20...	1840	6.8	82	6.9	27.0	7.2
20...	1900	6.8	82	--	26.5	7.0
20...	2000	6.8	82	--	26.5	6.9
20...	2100	6.8	82	--	26.0	6.7
20...	2200	6.9	83	--	26.0	6.5
20...	2240	6.9	83	6.6	26.5	6.7
20...	2300	6.9	83	--	25.5	6.4
20...	2400	6.9	83	--	25.5	6.2
21...	0100	6.9	83	--	25.5	6.3
21...	0200	6.9	83	--	25.0	6.3
21...	0240	6.9	83	6.7	25.5	6.6
21...	0300	6.9	83	--	25.0	6.3
21...	0400	6.9	83	--	24.5	6.3
21...	0500	6.9	83	--	24.5	6.3
21...	0600	6.9	84	--	24.5	6.4
21...	0625	6.9	84	6.5	24.5	6.8
21...	0700	6.9	83	--	24.0	6.4
21...	0800	6.9	83	--	24.0	6.6
21...	0900	6.9	84	--	24.0	6.7
21...	1000	6.9	84	6.9	24.5	6.8
21...	1100	6.9	84	--	24.5	6.9
21...	1200	6.9	85	--	25.0	7.0
21...	1330	--	--	--	--	7.8

LITTLE COPIAH CREEK STUDY NEAR CRYSTAL SPRINGS, MS--Continued

02487892 - LITTLE COPIAH CREEK BL GALLMAN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
AUG									
19...	1415	6	1.4	K160	250	.81	.010	.82	.040
19...	2240	--	--	--	--	.81	.000	.81	.020
20...	0655	9	1.4	100	1500	.81	.000	.81	.080
20...	1400	--	--	--	--	.77	.000	.77	.040
20...	2240	--	--	--	--	.80	.010	.81	.030
21...	0625	--	--	--	--	.89	.010	.90	.030

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
AUG									
19...	.05	.21	.25	1.1	4.7	.380	.77	1.2	.250
19...	.02	.48	.50	1.3	5.8	.300	.77	.92	.250
20...	.10	.23	.31	1.1	5.0	.750	.98	2.3	.320
20...	.05	.29	.33	1.1	4.9	.270	.77	.83	.250
20...	.04	.28	.31	1.1	5.0	.330	.86	1.0	.280
21...	.04	.20	.23	1.1	5.0	.320	.83	.98	.270

DATE	TIME	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
AUG											
20...	1400	8	2.4	11	0	2.5	1.2	9.4	1.2	15	3.6

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
AUG											
20...	12	.1	15	57	.08	1.06	1	0	0	<10	9

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
AUG										
20...	<10	0	<10	4	<10	600	1200	5	<10	150

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG										
20...	130	.1	.00	6	10	0	0	10	3	.5

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

LITTLE COPIAH CREEK STUDY NEAR CRYSTAL SPRINGS, MS--Continued

02487892 - LITTLE COPIAH CREEK BL GALLMAN, MS

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
AUG 20...	1400	.00	0	.0	.0	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
AUG 20...	.3	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.00

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
AUG 20...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
AUG 20...	.0	.00	.00	.00	0	0	.00	.02	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS

332454090145800 - YAZOO RIVER AT MILE 152.4 072871171

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)
DEC 04...	1500	810	80010	9400	15200	19	2000

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
DEC 04...	0	3	0	13	6	13	480

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
DEC 04...	.00	0	0	20	0	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 04...	2	.0	.0	5	13	7.8	8.4	.0	.1	.0	.0	.0

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 04...	.0	.0	.0	.0	.0	.0	.0	.0	.0	.00	0	.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

07287120 - YAZOO RIVER NR SHELL BLUFF, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH LAB (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC 04...	1400	1028	80010	18000	59	6.9	7.5	10.7	12	23	2

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM 40 DISSOLVED (PCI/L AS K40)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 04...	5.5	2.3	3.1	2	.0	3.1	2.9	2.2	21	6.2	3.2

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 04...	63	49	14	.17	.010	.18	.080	.040	.10	.05

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 04...	.53	.23	.61	.34	.27	.79	3.5	.120	.37	.020

ANALYSES OF SAMPLES C ECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER DY NEAR MORGAN CITY, MS--Continued

07287120 - YAZOO RIVER NR SHELL BLUFF, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
DEC											
04...	2	1	1	10	10	0	0	0	0	30	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, TRI-VALENT (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)
DEC											
04...	20	20	0	5	2	3	10	10	0	220	220

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
DEC										
04...	40	.1	.0	<.1	8	7	1	0	0	0

DATE	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
DEC										
04...	.0	20	20	0	5.7	.00	1	0	3.00	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
DEC										
04...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
DEC									
04...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC									
04...	.00	.00	.00	0	.00	.03	.00	.01	.00

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

332328090183000 - YAZOO RIVER AT MILE 147.9 072871212

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH LAB (UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC 05...	1500	810	80010	59	7.0	13	20	3	5.0	1.9

DATE	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM 40 DISSOLVED (PCI/L AS K40)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
DEC 05...	3.0	20	.3	5.8	2.8	2.1	17	6.7	3.1	36

DATE	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
DEC 05...	27	9	.18	.010	.19	.120	.070	.15	.09	.63

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 05...	.43	.75	.25	.50	.94	4.2	.140	.43	.040

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

332328090183000 - YAZOO RIVER AT MILE 147.9 072871212

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
DEC 05...	2	1	1	10	10	0	0	0	4	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, TRI-VALENT (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)
DEC 05...	10	10	0	4	1	3	3	3	0	120	120

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
DEC 05...	10	.2	.1	<.1	7	7	0	0	0	0

DATE	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
DEC 05...	.0	10	10	0	7.7	.01	1	0	4.50	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
DEC 05...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
DEC 05...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 05...	.00	.00	.00	0	.00	.03	.00	.01	.00

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

332150090181700 - YAZOO RIVER AT MILE 144.6 072871251

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH LAB (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC 05...	1445	810	80010	58	6.7	15.0	9.5	9.8	19	20	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM 40 DISSOLVED (PCI/L AS K40)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 05...	4.9	1.8	2.7	27	.3	5.5	2.8	2.1	26	6.4	3.1

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 05...	51	40	11	.11	.010	.12	.080	.000	.10	.00

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 05...	.41	.36	.49	.13	.36	.61	2.7	.140	.43	.020

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

332150090181700 - YAZOO RIVER AT MILE 144.6 072871251

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
DEC 05...	2	1	1	10	10	0	0	0	3	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, TRI-VALENT (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
DEC 05...	10	10	0	5	0	5	250	4	4	0	120

DATE	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
DEC 05...	100	20	.3	.2	<.1	8	8	0	0	0	0

DATE	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
DEC 05...	.0	10	10	0	9.2	.01	0	0	4.87	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
DEC 05...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
DEC 05...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 05...	.00	.00	.00	0	.00	.03	.00	.01	.00

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

332032090164800 - YAZOO RIVER AT MILE 142.8 072871351

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH LAB (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC 03...	1450	810	80010	60	6.8	11.0	9.0	10.2	18	20	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM 40 DISSOLVED (PCI/L AS K40)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 03...	5.0	1.8	3.0	29	.3	5.9	2.9	2.2	24	6.7	3.2

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 03...	59	49	10	.25	.010	.26	.200	.010	.24	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 03...	.59	.49	.79	.29	.50	1.1	4.6	.220	.67	.030

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

332032090164800 - YAZOO RIVER AT MILE 142.8 072871351

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
DEC 03...	2	1	1	10	10	0	0	0	4	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, TRI-VALENT (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
DEC 03...	10	10	0	5	1	4	230	5	5	0	130

DATE	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
DEC 03...	100	30	.1	.0	<.1	7	7	0	0	0	0

DATE	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
DEC 03...	.0	20	10	8	6.7	.01	0	0	2.83	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
DEC 03...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
DEC 03...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 03...	.00	.00	.00	0	.00	.03	.00	.01	.00

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

331859090174000 - YAZOO RIVER AT MILE 140.3 072871607

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH LAB (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC 05...	1140	810	80010	58	6.9	13.0	8.0	9.6	18	8900	28	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM 40 DISSOLVED (PCI/L AS K40)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
DEC 05...	4.9	1.8	3.0	29	.3	5.9	2.9	2.2	25	6.5	3.2	131

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 05...	17200	119	12	.18	.010	.19	.070	.040	15	.08	.05

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 05...	.51	.33	.58	.21	.37	3000	.77	3.4	.140	.43	.030

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
DEC 05...	2	1	1	0	10	10	0	3	0	0	4	0

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, TRIVALENT (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)
DEC 05...	20	10	10	12	10	0	7	3	4	7	150

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
DEC 05...	3	3	0	15	160	140	20	470	.2	.1	<.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

331859090174000 - YAZOO RIVER AT MILE 140.3 072871607

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
DEC 05...	.00	8	8	0	15	0	0	0	0	.0	20

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
DEC 05...	10	10	30	6.0	.00	0	0	0	0	4.05	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
DEC 05...	.00	3	.0	.0	.00	.0	.0	0	.00	7.2	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 05...	5.1	.00	15	.00	.0	.00	.2	.00	.0	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 05...	.00	.00	0	0	.00	.0	.03	.00	.01	.00

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

331820090194700 - YAZOO RIVER AT MILE 136.2 072871615

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH LAB (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
DEC 04...	1115	810	80010	59	6.9	9.0	9.0	10.2	16	20	1

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	POTAS-SIUM 40 DIS-SOLVED (PCI/L AS K40)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
DEC 04...	5.1	1.8	2.6	26	.3	5.5	2.9	2.2	19	6.5	3.1

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)
DEC 04...	38	30	8	.17	.010	.18	.070	.010	.08	.01

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
DEC 04...	.59	.34	.66	.31	.35	.84	3.7	.140	.43	.040

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

331820090194700 - YAZOO RIVER AT MILE 136.2 072871615

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
DEC											
04...	2	2	0	10	10	0	0	0	1	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, TRI-VALENT (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
DEC											
04...	10	10	0	4	0	4	190	4	4	0	120

DATE	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
DEC											
04...	90	30	.2	.1	<.1	7	5	2	0	0	0

DATE	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
DEC										
04...	.0	20	10	8	6.0	.00	2	0	7.60	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
DEC										
04...	.00	.0	.00	.0	.00	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
DEC									
04...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC									
04...	.00	.00	.00	0	.00	.03	.00	.01	.00

331748090213100 - YAZOO RIVER AT MILE 133.6 072871625

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH LAB (UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC 06...	1030	810	80010	57	6.8	5.5	8.5	10.5	22	19	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM 40 DISSOLVED (PCI/L AS K40)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 06...	4.9	1.7	2.9	29	.3	5.6	2.7	2.0	19	6.4	3.2

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 06...	39	31	8	.19	.020	.21	.050	.060	.06	.08

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 06...	.43	.40	.48	.02	.46	.69	3.1	.120	.37	.040

YAZOO RIVER STUDY NEAR MORGAN CITY, MS--Continued

331748090213100 - YAZOO RIVER AT MILE 133.6 072871625

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
DEC 06...	2	1	1	0	0	0	0	0	0	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, TRI-VALENT (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
DEC 06...	10	10	0	4	0	4	160	2	2	0	140

DATE	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
DEC 06...	110	30	<.1	.0	<.1	4	3	1	0	0	0

DATE	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
DEC 06...	.0	20	0	20	5.7	.00	3	0	4.22	.000

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
DEC 06...	.00	.0	.00	.0	.00	.00	.00	.04	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
DEC 06...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 06...	.00	.00	.00	0	.00	.03	.00	.01	.0C

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

BAKERS AND LINDSEY CREEKS STUDY NEAR CLINTON, MS

07290060 - BAKERS CREEK NR CLINTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
15...	1530	.64	726	8.2	28.5	2.0
15...	1600	--	727	--	29.0	1.8
15...	1700	--	729	--	29.5	1.4
15...	1800	--	729	--	29.5	.7
15...	1900	--	727	--	29.5	.5
15...	2000	--	723	--	29.0	.5
15...	2100	--	722	--	29.0	.5
15...	2200	--	722	--	28.0	.5
15...	2300	--	717	--	27.5	.5
15...	2400	--	715	--	26.5	.5
16...	0100	--	717	--	26.0	.5
16...	0200	--	718	--	25.5	.5
16...	0300	--	718	--	25.0	.5
16...	0400	--	718	--	25.0	.5
16...	0500	--	718	--	24.5	.5
16...	0600	--	717	--	24.5	.5
16...	0645	.70	717	8.1	24.5	.5
16...	0700	.70	717	--	24.5	.5
16...	0800	.71	718	--	24.0	.5
16...	0900	.71	719	--	24.5	.5
16...	1000	.72	720	8.1	25.0	.8
16...	1100	.72	721	--	25.0	.9
16...	1200	.72	721	--	25.0	1.1
16...	1300	.72	723	--	25.5	1.3
16...	1400	.72	725	8.1	27.5	1.3
16...	1500	.72	727	--	27.0	1.5
16...	1600	.72	729	--	28.0	1.1
16...	1700	.72	730	--	28.5	.7
16...	1800	.72	729	--	28.5	.6
16...	1900	.73	726	--	28.0	.6
16...	2000	.73	721	--	28.0	.5
16...	2100	.73	718	--	27.5	.5
16...	2200	.73	716	--	27.0	.5
16...	2300	.73	715	--	26.5	.5
16...	2400	.73	717	--	26.0	.5
17...	0100	.73	719	--	26.0	.5
17...	0200	.74	720	--	25.5	.5
17...	0300	.74	721	--	25.5	.5
17...	0400	.74	722	--	25.0	.5
17...	0500	.74	722	--	25.0	.5
17...	0600	.74	721	--	25.0	.5
17...	0640	.74	721	7.9	25.0	.5
17...	0700	.75	722	--	24.5	.5
17...	0800	.76	720	--	24.5	.5
17...	0900	.77	717	--	24.5	.5
17...	1000	.78	713	7.8	24.5	.7
17...	1100	.82	706	--	24.5	.8
17...	1200	.86	708	--	24.5	1.9
17...	1300	.90	736	--	25.5	2.7
17...	1400	.94	740	--	25.5	3.3
17...	1420	.98	735	7.8	26.0	2.9
17...	1500	.94	733	--	25.5	3.0
17...	1600	.90	728	--	25.5	2.7
17...	1700	.86	723	--	25.0	2.1
17...	1800	.82	711	--	25.0	1.1
17...	1815	.78	703	7.8	26.0	.9
17...	1900	.75	690	--	25.5	.9
17...	2000	.72	664	--	25.0	.8
17...	2100	.69	636	--	24.5	.7
17...	2200	.67	608	7.7	25.0	.6
17...	2300	.66	580	--	24.5	.6
17...	2400	.65	554	--	24.0	.6
18...	0100	.64	538	--	24.0	.6
18...	0200	.63	524	7.6	24.0	.6
18...	0300	.63	512	--	24.0	.6
18...	0400	.62	502	--	23.5	.7
18...	0500	.62	492	--	23.5	.7
18...	0600	.61	483	--	23.5	.8
18...	0625	.61	481	7.5	22.5	.8
18...	0700	.60	475	--	23.0	.8
18...	0800	.59	469	--	23.0	.8
18...	0900	.58	461	--	23.0	.9
18...	1000	.57	452	7.6	23.0	.9
18...	1100	--	448	--	23.0	.9
18...	1200	--	448	--	23.5	1.0
18...	1300	--	453	--	23.5	1.0

BAKERS AND LINDSEY CREEKS STUDY NEAR CLINTON, MS--Continued

07290060 - BAKERS CREEK NR CLINTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STRFPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
SEP									
16...	1400	120	19	7200	1600	.01	.030	.04	4.100
17...	0640	110	20	K3100	3900	.00	.010	.01	4.200
17...	1420	--	--	--	--	.02	.060	.08	6.400
17...	2200	--	--	--	--	.00	.030	.03	4.600
18...	0625	--	--	--	--	.00	.030	.02	3.300

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
SEP									
16...	5.0	8.9	13	13	58	8.700	22	27	7.200
17...	5.1	12	16	16	71	8.900	24	27	7.900
17...	7.7	6.6	13	13	58	8.300	25	25	8.300
17...	5.6	.60	5.2	5.2	23	4.900	15	15	4.800
18...	4.0	.20	3.5	3.5	16	4.500	14	14	4.500

07290065 - BAKERS CREEK BL CLINTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP					
16...	0700	422	7.4	25.0	1.5
16...	1010	411	7.4	25.5	1.2
16...	1420	394	7.3	26.0	1.4
17...	0715	410	7.3	25.0	1.0
17...	1010	417	7.2	25.0	1.3
17...	1435	412	7.2	25.0	1.2
17...	1830	425	7.4	25.0	.8
17...	2215	420	7.3	25.0	1.4
18...	0215	422	7.3	24.5	1.1
18...	0645	408	7.3	23.5	1.0
18...	1020	402	7.3	25.5	1.0

07290070 - BAKERS CREEK NR RAYMOND, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
16...	0725	1.1	404	7.4	24.0	2.8
16...	1035	1.1	400	7.4	25.0	2.1
16...	1450	1.1	404	7.4	26.5	2.1
17...	0745	1.3	389	7.2	24.0	2.2
17...	1030	1.3	389	7.3	24.0	3.3
17...	1500	1.5	395	7.3	24.5	2.3
17...	1900	1.2	399	7.3	24.5	1.8
17...	2245	1.3	399	7.3	24.0	1.9
18...	0245	1.3	397	7.3	23.5	2.0
18...	0720	1.6	395	7.3	23.0	2.6
18...	1040	1.5	396	7.4	23.0	2.3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

BAKERS AND LINDSEY CREEKS STUDY NEAR CLINTON, MS--Continued

07290070 - BAKERS CREEK NR RAYMOND, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
SEP									
16...	1450	43	3.2	1100	920	.58	.070	.65	.310
17...	0745	44	3.8	K800	1800	.47	.060	.53	.300
17...	1500	--	--	--	--	.09	.010	.10	.050

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
SEP									
16...	.38	1.1	1.4	2.1	9.1	2.800	8.3	8.6	2.700
17...	.36	1.0	1.3	1.8	8.1	2.700	8.0	8.3	2.600
17...	.06	.74	.79	.89	3.9	.880	2.3	2.7	.760

07290080 - LINDSEY CREEK NR CLINTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
16...	0715	.12	459	7.2	23.5	.5
16...	1025	.14	436	7.2	24.0	.2
16...	1430	.15	434	7.2	25.5	1.2
17...	0725	.16	432	7.1	24.0	.3
17...	1020	.22	435	7.1	23.5	.9
17...	1445	.40	437	7.2	24.0	1.6
17...	1845	.29	458	7.4	24.0	5.1
17...	2230	.20	474	7.5	24.0	4.6
18...	0230	.15	477	7.4	23.5	2.3
18...	0710	.12	484	7.4	22.5	1.9
18...	1030	.11	468	7.4	23.0	1.7

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
SEP									
16...	1430	18	4.0	1800	490	.05	.010	.06	.320
17...	0725	17	4.0	9600	1600	.05	.010	.06	.330
17...	1445	--	--	--	--	.12	.010	.13	.210

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
SEP									
16...	.39	.48	.80	.86	3.8	.780	1.6	2.4	.530
17...	.40	.32	.65	.71	3.1	.740	1.6	2.3	.520
17...	.25	.53	.74	.87	3.9	.700	1.4	2.1	.460

BAKERS AND LINDSEY CREEKS STUDY NEAR CLINTON, MS--Continued

07290090 - BAKERS CREEK NR BOLTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
15...	1700	--	325	7.4	27.0	3.8
15...	1800	--	326	--	27.0	3.7
15...	1900	--	325	--	27.0	3.7
15...	2000	--	324	--	26.5	3.6
15...	2100	--	323	--	26.0	3.5
15...	2200	--	321	--	26.0	3.5
15...	2300	--	321	--	25.5	3.6
15...	2400	--	319	--	25.5	3.6
16...	0100	--	318	--	25.5	3.6
16...	0200	--	317	--	25.0	3.6
16...	0300	--	317	--	25.0	3.5
16...	0400	--	316	--	25.0	3.4
16...	0500	--	314	--	25.0	3.2
16...	0600	--	315	--	24.5	3.0
16...	0700	--	314	--	24.5	3.0
16...	0740	1.0	314	7.2	24.5	2.8
16...	0800	.98	314	--	24.5	2.6
16...	0900	.95	316	--	24.5	2.5
16...	1000	.93	315	--	24.5	2.4
16...	1100	.91	315	7.2	25.0	2.4
16...	1200	.93	315	--	25.0	3.4
16...	1300	.95	313	--	25.5	3.6
16...	1400	.97	313	--	26.5	3.8
16...	1500	.98	313	--	26.5	4.0
16...	1515	1.0	313	7.3	27.5	4.1
16...	1600	--	312	--	26.5	4.2
16...	1700	--	311	--	26.5	4.4
16...	1800	--	310	--	26.5	4.4
16...	1900	--	310	--	26.0	4.1
16...	2000	--	309	--	26.0	3.8
16...	2100	--	309	--	25.5	3.6
16...	2200	--	309	--	25.5	3.5
16...	2300	--	307	--	25.5	--
16...	2400	--	307	--	25.0	--
17...	0100	--	305	--	25.0	--
17...	0200	--	305	--	25.0	--
17...	0300	--	304	--	25.0	--
17...	0400	--	304	--	25.0	--
17...	0500	--	303	--	25.0	--
17...	0600	--	302	--	25.0	--
17...	0700	--	302	--	24.5	--
17...	0800	--	299	--	24.5	--
17...	0815	1.2	299	7.0	25.0	4.3
17...	0900	1.1	298	--	24.5	--
17...	1000	1.1	298	--	24.5	--
17...	1045	1.0	298	7.1	25.0	3.3
17...	1100	1.0	299	--	24.5	--
17...	1200	1.0	299	--	25.0	3.2
17...	1300	1.0	298	--	25.0	3.3
17...	1400	1.0	298	--	25.5	3.5
17...	1500	1.0	298	--	25.5	3.7
17...	1520	1.0	298	7.2	25.5	3.8
17...	1600	1.0	297	--	25.5	4.0
17...	1700	1.1	296	--	25.5	4.0
17...	1800	1.1	296	--	25.5	3.9
17...	1900	1.2	297	--	25.0	3.7
17...	1915	1.2	297	7.3	25.5	3.8
17...	2000	1.1	296	--	25.0	3.5
17...	2100	1.1	296	--	25.0	3.3
17...	2200	1.1	297	--	24.5	3.0
17...	2300	1.0	297	7.2	25.0	2.8
17...	2400	1.0	297	--	24.5	--
18...	0100	1.0	297	--	24.5	--
18...	0200	1.0	298	--	24.0	--
18...	0300	1.0	298	7.3	24.5	2.2
18...	0400	1.0	299	--	24.0	--
18...	0500	1.0	298	--	24.0	--
18...	0600	1.0	299	--	23.5	--
18...	0700	1.0	299	--	23.5	2.2
18...	0740	1.0	311	7.2	23.5	2.2
18...	0800	1.0	297	--	23.5	2.5
18...	0900	1.1	297	--	23.5	2.6
18...	1000	1.2	297	--	23.5	2.8
18...	1100	1.2	297	7.2	23.5	2.6

BAKERS AND LINDSEY CREEKS STUDY NEAR CLINTON, MS--Continued

07290090 - BAKERS CREEK NR BOLTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
SEP									
16...	1515	--	4.2	370	350	.08	.020	.10	.160
17...	0815	21	1.4	K400	790	.08	.020	.10	.130
17...	1520	--	--	--	--	.55	.060	.61	.150
17...	2300	--	--	--	--	.08	.010	.09	.050
18...	0740	--	--	--	--	.06	.020	.08	.090

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
SEP									
16...	.19	.94	1.1	1.2	5.3	.980	2.4	3.0	.790
17...	.16	.69	.82	.92	4.1	.940	2.1	2.9	.690
17...	.18	.59	.74	1.4	6.0	.740	1.9	2.3	.620
17...	.06	.56	.61	.70	3.1	.780	2.0	2.4	.660
18...	.11	.73	.82	.90	4.0	.890	1.9	2.7	.620

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
SEP											
17...	1520	50	28	44	0	12	3.4	46	3.0	120	3.9

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
SEP											
17...	15	.4	15	201	.27	.54	14	1	1	<10	9

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
SEP											
17...	10	3	<10	3	10	3400	5600	6	10	1100	1000

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)
SEP										
17...	.4	.00	6	<10	0	0	30	20	8.8	0

BAKERS AND LINDSEY CREEKS STUDY NEAR CLINTON, MS--Continued

07290090 - BAKERS CREEK NR BOLTON, MS

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
SEP 17...	1520	.00	0	.0	.0	.00	.0	.0	0	.00	2.5	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
SEP 17...	2.7	.00	.3	.01	.00	.0	.00	.0	.00	.0	.00	.00

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
SEP 17...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP 17...	.0	.00	.00	.00	0	0	.00	.02	.00	.00	.00

ADAMS COUNTY

313554091201201. Local number, D1.
LOCATION.--Lat 31°35'54", long 91°20'12", Hydrologic Unit 08060204, sec.14, T.7 N., R.2 W., 5 mi (8 km) northeast of center of Natchez at power plant.
Owner: Mississippi Power and Light Co.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m).
DATUM.--Land-surface datum is 192 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.50 ft (27.279 m) below land-surface datum, Oct. 29, 1975; lowest measured, 102.97 ft (31.385 m) below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	94.68	APR 29	93.00	JUN 18	98.59
JAN 29	92.71	JUN 5	97.10	AUG 27	96.67

313256091214201. Local number, D10.
LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi (3.2 km) east of center of Natchez on Liberty Rd.
Owner: Johns Manville Co.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 436 ft (133 m), cased to 392 ft (119 m).
DATUM.--Land-surface datum is 116.92 ft (35.64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft (17.867 m) below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft (24.438 m) below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	72.72	DEC 19	72.70	APR 29	70.92	JUN 18	72.27	AUG 1	74.72
NOV 7	73.33	JAN 29	71.89	JUN 5	71.50	JUL 17	72.92		

312730091200602. Local number, G7.
LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.
Owner: Adams County Water Association.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 267 ft (81 m), cased to 217 ft (66 m).
DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft (12.506 m) below land-surface datum, Mar. 30, 1979; lowest measured, 62.83 ft (19.150 m) below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	62.83

312752091202201. Local number, G21.
LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.
Owner: Adams County Water Association.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 880 ft (268 m), cased to 840 ft (256 m).
DATUM.--Land-surface datum is about 223 ft (68 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--November 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft (49.378 m) below land-surface datum, June 5, 1975; lowest measured, 171.68 ft (52.328 m) below land-surface datum, Mar. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	171.49

312735091201301. Local number, G23.
LOCATION.--Lat 31°27'35", long 91°20'13", Hydrologic Unit 08060205, Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.
Owner: Adams County Water Association.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 12 in (30 cm), depth 878 ft (268 m), cased to 838 ft (255 m).
DATUM.--Land-surface datum is about 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent east side of pump base, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--August 1974, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.00 ft (50.292 m) below land-surface datum, Aug. 16, 1974; lowest measured, 174.48 ft (53.181 m) below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	174.48

ALCORN COUNTY

345545088311002. Local number, G3.
LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi (0.8 km) south of center of Corinth.
Owner: City of Corinth.
AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 245 ft (75 m).
DATUM.--Land-surface datum is 432 ft (132 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.707 m) below land-surface datum, Sept. 27, 1961; lowest measured, 11.80 ft (3.596 m) below land-surface datum, Oct. 18, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	8.05

345456088313001. Local number, G57.
LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi (1.6 km) south of center of Corinth.
Owner: City of Corinth.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 453 ft (138 m), cased to 410 ft (125 m).
DATUM.--Land-surface datum is 463 ft (141 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft (30.754 m) below land-surface datum, Oct. 17, 1962; lowest, 224.4 ft (68.397 m) below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	186.40	183.00	181.95	---	181.12	180.35	---	---	---	---
10	---	---	186.45	182.65	175.75	181.50	179.13	180.49	---	---	---	---
15	---	---	185.10	182.70	176.50	181.80	180.30	179.17	---	---	---	---
20	---	---	185.35	183.25	---	181.45	180.45	180.07	---	---	---	---
25	---	---	182.30	182.80	---	180.45	180.43	180.37	---	---	---	---
EOM	---	---	183.25	182.40	---	180.65	180.30	---	---	---	---	---

345604088321902. Local number, G101.
LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi (3.2 km) west of center of Corinth, 0.2 mi (0.3 km) north of Ramada Inn.
Owner: City of Corinth.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 520 ft (158 m), cased to 460 ft (140 m).
DATUM.--Land-surface datum is about 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft (46.634 m) below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft (60.655 m) below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 30	178.60

ALCORN COUNTY--Continued

344642088340501. Local number, K11.
LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi (4.8 km) northwest of center of Rienzi, 0.5 mi (0.8 km) west of U.S. Highway 45.
Owner: C. B. Curlee.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 574 ft (175 m), cased to 478 ft (146 m).
DATUM.--Land-surface datum is about 460 ft (140 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--September 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft (27.127 m) below land-surface datum, Dec. 17, 1961; lowest measured, 114.60 ft (34.930 m) below land-surface datum, Mar. 11, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	114.60

344642088333001. Local number, K53.
LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi (4.0 km) northwest of center of Rienzi on U.S. Highway 45 at roadside park.
Owner: Mississippi State Highway Department.
AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 210 ft (64 m), cased to 190 ft (57.9 m).
DATUM.--Land-surface datum is about 450 ft (137 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--July 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft (12.000 m) below land-surface datum, July 19, 1973; lowest measured, 43.66 ft (13.307 m) below land-surface datum, Oct. 18, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	41.10

ATTALA COUNTY

330713089365402. Local number, G13.
LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.
Owner: Fred Turnipseed.
AQUIFER.--Winona Sand of middle Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 22 ft (6.7 m).
DATUM.--Land-surface datum is about 361 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in concrete cap, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--January 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft (2.724 m) below land-surface datum, Mar. 31, 1976; lowest measured, 15.22 ft (4.639 m) below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 20	11.90

330110089455001. Local number, K22.
LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., at center of Sallis.
Owner: Town of Sallis.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth reported 356 ft (109 m), cased to about 300 ft (91 m).
DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90 cm) pipe (since May 22, 1957), 1.30 ft (0.40 m) above land-surface datum.
PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft (9.144 m) above land-surface datum, 1913; lowest measured, 1.00 ft (0.304 m) above land-surface datum, Dec. 20, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 20	1.00

330328089365901. Local number, M8.
LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 0.2 mi (0.3 km) northwest of center of Kosciusko on Adams St.
Owner: Barnett Moving Company (formerly Pet Milk Co.).
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 456 ft (139 m).
DATUM.--Land-surface datum is about 423 ft (129 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.70 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--March 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.644 m) below land-surface datum, Mar. 13, 1962; lowest measured, 124.08 ft (37.819 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 11	122.70

330330089354401. Local number, M29.
LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E., 0.1 mi (0.2 km) west of center of Kosciusko on Jefferson St.
Owner: City of Kosciusko.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 387 ft (118 m), cased to 367 ft (112 m).
DATUM.--Land-surface datum is about 472 ft (144 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--March 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.323 m) below land-surface datum, Mar. 13, 1962; lowest measured, 165.73 ft (50.514 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 11	164.20

330241089270501. Local number, N13.
LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi (13 km) east of center of Kosciusko on north side of State Highway 14.
Owner: Houston Veasey.
AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 30 ft (9.1 m).
DATUM.--Land-surface datum is about 510 ft (155 m) National Geodetic Vertical Datum of 1929. Measuring point: Inside lip of curb, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft (6.358 m) below land-surface datum, Mar. 12, 1959; lowest measured, 23.50 ft (7.162 m) below land-surface datum, Dec. 11, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 11	23.50

325844089462701. Local number, Q14.
LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi (5.0 km) south of center of Sallis on west side of State Highway 429.
Owner: Tom Aldy.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in (5.1 cm), depth 409 ft (125 m).
DATUM.--Land-surface datum is about 290 ft (88 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1 cm) casing, 1.80 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft (0.112 m) below land-surface datum, Mar. 13, 1958; lowest measured, 4.71 ft (1.435 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 11	4.15

ATTALA COUNTY--Continued

325901089333901. Local number, S1.
LOCATION.--Lat 32°59'01", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.13, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.
Owner: United Gas Co.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 220 ft (67 m).
DATUM.--Land-surface datum is about 492 ft (150 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--October 1961 to June 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.20 ft (29.626 m) below land-surface datum, Apr. 29, 1976; lowest measured, 101.77 ft (31.019 m) below land-surface datum, Oct. 2, 1961.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 18	98.50

325902089333901. Local number, S21.
LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.
Owner: United Gas Co.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 360 ft (110 m), cased to 340 ft (104 m).
DATUM.--Land-surface datum is about 488 ft (149 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20 cm) casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--October 1961, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft (47.853 m) below land-surface datum, Oct. 1961; lowest measured, 168.47 ft (51.349 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 18	168.16

BOLIVAR COUNTY

335630090461501. Local number, D31.
LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi (0.2 km) west of center of Shelby at old waterworks.
Owner: Town of Shelby.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,575 ft (480 m).
DATUM.--Land-surface datum is 147 ft (45 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 1.30 ft (0.40 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.121 m) above land-surface datum, May 11, 1977; lowest measured, 16.26 ft (4.956 m) below land-surface datum, Oct. 24, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980

DATE	WATER LEVEL
OCT 24	16.26

335558090465202. Local number, D32.
LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi (2.4 km) southwest of center of Shelby on State Highway 32 at park.
Owner: Town of Shelby.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 409 ft (125 m).
DATUM.--Land-surface datum is about 150 ft (46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing plug, 0.30 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--September 1949, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.370 m) below land-surface datum, Feb. 11, 1976; lowest measured, 27.90 ft (8.503 m) below land-surface datum, Oct. 24, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 24	27.90

334957090564301. Local number, F20.
LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi (8 km) southeast of center of Rosedale on south side of State Highway 8.
Owner: R. C. Malone.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (41 cm), depth 120 ft (37 m), screened 80-120 ft (24-37 m), cased to 80 ft (24 m).
DATUM.--Land-surface datum is about 145 ft (44 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft (0.05 m) above land-surface datum.
REMARKS.--Water levels affected by seasonal irrigation pumping.
PERIOD OF RECORD.--November 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft (4.569 m) below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft (17.471 m) below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 26	24.03	SEP 18	25.25

334700090584501. Local number, J8.
LOCATION.--Lat 33°47'00", long 90°58'45", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., near center of Beulah.
Owner: Town of Beulah.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well diameter 8 in (20 cm), depth 754 ft (230 m).
DATUM.--Land-surface datum is about 145 ft (44 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft (8.229 m) below land-surface datum, Oct. 1, 1968; lowest measured, 32.43 ft (9.884 m) below land-surface datum, Oct. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 25	32.43

334708090584101. Local number, J135.
LOCATION.--Lat 33°47'08", long 90°58'41", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., 0.2 mi (0.3 km) southeast of center of Beulah at gin.
Owner: Town of Beulah.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,760 ft (536 m), screened 1,710-1,760 ft (521-536 m).
DATUM.--Land-surface datum is 146.31 ft (44.60 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.64 cm) gate valve (since Nov. 8, 1974), 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--May 1939 to October 1963, April 1970 to April 1972, November 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.23 m) above land-surface datum, Apr. 2, 1942; lowest measured, 1.75 ft (0.533 m) above land-surface datum, Oct. 25, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 25	1.75

334106090590902. Local number, N2.
LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi (4.0 km) northeast of center of Benoit on east side of State Highway 1.
Owner: Welshans and Litton.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (36 cm), depth 96 ft (29 m).
DATUM.--Land-surface datum is about 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.20 m) above land-surface datum.
REMARKS.--Water levels affected by seasonal irrigation pumping.
PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft (1.075 m) below land-surface datum, May 13, 1958; lowest measured, 24.36 ft (7.424 m) below land-surface datum, July 22, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	17.42	SEP 16	21.96

333959090435001. Local number, Q150.
LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., at O'Reilly at gin.
Owner: Jones Bayou Gin Association.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,310 ft (399 m), cased to 1,310 ft (399 m).
DATUM.--Land-surface datum is 133.66 ft (40.74 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe (1.90 cm), 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft (6.126 m) above land-surface datum, May 30, 1939; lowest measured, 10.12 ft (3.084 m) below land-surface datum, Oct. 24, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 24	10.12

333530090582401. Local number, R64.
LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.12, T.20 N., R.8 W., at Stringtown.
Owner: H and H Planting Co.
AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 520 ft (158 m).
DATUM.--Land-surface datum is 133 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.8 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.730 m) below land-surface datum, May 5, 1939; lowest measured, 35.94 ft (10.954 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 24	35.83

CALHOUN COUNTY

335118089175901. Local number, K101.
LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi (0.5 km) northeast of center of Calhoun City at Adams Street and Taylor Street.
Owner: Town of Calhoun City.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 1,897 ft (579 m), cased to 1,857 ft (566 m).
DATUM.--Land-surface datum is about 270 ft (82 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in north side of pump base, 1.30 ft (0.40 m) above land-surface datum.
REMARKS.--Water levels affected by pumping.
PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft (13.030 m) below land-surface datum, Mar. 14, 1957; lowest measured, 72.90 ft (22.219 m) below land-surface datum, Apr. 25, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 25	72.90

CARROLL COUNTY

333116089550401. Local number, F1.
LOCATION.--Lat 33°31'16", Long 89°55'04", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrolton at old water plant.
Owner: Town of North Carrollton.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,274 ft (388 m).
DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet below pump base, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--March 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.00 ft (6.400 m) above land-surface datum, Mar. 21, 1979; lowest measured, 6.00 ft (1.828 m) above land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 10	6.00

333057089552002. Local number, F19.
LOCATION.--Lat 33°30'57", long 89°55'20", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.
Owner: Town of North Carrollton.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 440 ft (134 m).
DATUM.--Land-surface datum is about 225 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in side of pump base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--May 1961, May 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft (0.609 m) below land-surface datum, May 1, 1961; lowest measured, 13.04 ft (3.974 m) below land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 10	13.04

CHICKASAW COUNTY

340030088444801. Local number D6.
LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec.26, T.12 S., R.5 E., at Okolona at old water plant.
Owner: Town of Okolona.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well 10 in (25 cm), depth reported 400 ft (122 m).
DATUM.--Land-surface datum is about 307 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete well base, 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.517 m) below land-surface datum, 1917; lowest measured, 154.59 ft (47.119 m) below land-surface datum, July 30, 1980.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 7	152.24	JUL 30	154.59

335400088595001. Local number, F16.
LOCATION.--Lat 33°54'00", long 88°59'50", Hydrologic Unit 03160104, SW¼SW¼ sec.33, T.13 S., R.3 E., near center of Houston at old water plant.
Owner: Town of Houston.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,076 ft (328 m).
DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.20 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft (24.384 m) below land-surface datum, 1940; lowest measured 165.86 ft (50.554 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 25	143.67

335400088594601. Local number, F18.
LOCATION.--Lat 33°54'00", long 88°59'46", Hydrologic Unit 03160104, SW¼SW¼, sec.33, T.13 S., R.3 E., near center of Houston at old water plant.
Owner: Town of Houston.
AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 130 ft (40 m).
DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring points: plug in pump base 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft (18.358 m) below land-surface datum, Mar. 21, 1979; lowest measured, 64 ft (19.5 m) below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 25	63.49

CHICKASAW COUNTY--Continued

335136089005301. Local number, K37.
LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi (4.0 km) south of center of Houston on west side of State Highway 15.
Owner: J. D. McAlpin.
AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 130 ft (40 m), cased to 80 ft (24 m).
DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--October 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft (18.105 m) below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft (20.452 m) below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 25	63.86

CHOCTAW COUNTY

331543089171801. Local number, J35.
LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi (0.5 km) south of center of Weir near Baptist Church.
Owner: Inez Power.
AQUIFER.--Sand of upper part of Wilcox group of early Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 28 ft (8.5 m).
DATUM.--Land-surface datum is about 485 ft (148 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in (76 cm) concrete curb, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.86 ft (4.834 m) below land-surface datum, May 7, 1980; lowest measured, 22.55 ft (6.873 m) below land-surface datum, Oct. 28, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	19.30	FEB 15	17.20	MAY 7	15.86	SEP 19	19.40
JAN 11	18.20	APR 7	15.94	AUG 1	18.08		

CLAIBORNE COUNTY

315718090591501. Local number, L5.
LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi (0.3 km) south of center of Port Gibson at Oak Street and Main Street.
Owner: Town of Port Gibson.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 250 ft (76 m).
DATUM.--Land-surface datum is about 120 ft (37 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.00 ft (0.61 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft (23.430 m) below land-surface datum, Apr. 22, 1963; lowest measured, 125.52 ft (38.258 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 14	122.43	JUL 8	123.37

333627088390001. Local number, H7.
LOCATION.--Lat 33°36'27", long 88°39'00", Hydrologic Unit 03160104, NW¼SW¼ sec.11, T.17 S., R.6 E., 0.5 mi (0.8 km) northwest of center of West Point at intersection of Division Street and Bugg Street.
Owner: City of West Point.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 309 ft (94 m).
DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10.2 cm) coupling (since Apr. 12, 1976), 0.20 ft (0.06 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1972 to July 1980 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.54 ft (48.018 m) below land-surface datum, Mar. 3, 1972; lowest measured, 198.82 ft (60.600 m) below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	197.30	JAN 8	197.50	MAR 25	195.90	MAY 6	192.00	JUN 19	191.88	JUL 29	193.30

333615088421801. Local number, H32.
LOCATION.--Lat 33°36'15", long 88°42'18", Hydrologic Unit 03160104, NE¼NE¼ sec.18, T.17 S., R.6 E., 3 mi (4.8 km) west of center of West Point.
Owner: Dr. John Randell.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).
DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of angle iron, 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--April 1964, March 1976 to October 1978 (discontinued).
EXTREMES FOR PERIOD OF RECORDS.--Highest water level measured, 43.97 ft (13.402 m) below land-surface datum, Apr. 1964; lowest measured, 108.35 ft (33.025 m) below land-surface datum Oct. 5, 1978.

333712088384601. Local number, H46.
LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi (1.6 km) northeast of center of West Point on east side of Illinois Central Railroad.
Owner: City of West Point.
AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 810 ft (247 m), cased to 750 ft (229 m).
DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.10 ft (0.64 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft (8.519 m) below land-surface datum, July 16, 1963; lowest measured, 67.78 ft (20.659 m) below land-surface datum, July 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	60.41	FEB 14	60.55	MAY 6	65.70	JUL 29	67.78
JAM 10	60.60	MAR 25	62.80	JUN 19	66.72		

333530088393501. Local number, H151.
LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec.22, T.17 S., R.6 E., 4.5 mi (7.3 km) north of West Point on west side of U.S. Highway 45.
Owner: Prairie Livestock.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).
DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft (49.017 m) below land-surface datum, Apr. 5, 1978; lowest measured, 190.20 ft (57.973 m) below land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUL 30	162.47

333618088362001. Local number, J8.
LOCATION.--Lat 33°36'18", long 88°36'20", Hydrologic Unit 03160104, NW¼NE¼ sec.18, T.17 S., R.7 E., 2.7 mi (4.4 km) east of West Point on State Highway 50.
Owner: Wash Davis
AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 610 ft (185.9 m).
DATUM.--Land-surface datum is about 210 ft (64.01 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--1940, August 1976 to October 1978 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5 ft (1.5 m) above land-surface datum, 1940; lowest measured, 31.19 ft (9.506 m) below land-surface datum, Oct. 6, 1978.

Measurement discontinued.

333622088361001. Local number, J125.
LOCATION.--Lat 33°36'22", long 88°36'10", Hydrologic Unit 03160104, NW¼NE¼ sec.18, T.17 S., R.7 E., 2.3 mi (3.7 km).
Owner: G. W. Davis
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 350 ft (106.7 m).
DATUM.--Land-surface datum is 215 ft (655 m) above land-surface datum. Measuring point: Well house floor, at land-surface datum.
PERIOD OF RECORD.--August 1976 to October 1978 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 105 ft (32.0 m) below land-surface datum, Aug. 31, 1976; lowest measured, 110.56 ft (33.698 m) below land-surface datum, Oct. 6, 1978.

Measurement discontinued.

333219088392801. Local number, K38.
LOCATION.--Lat 33°32'19", long 88°39'28", Hydrologic Unit 03160104, SE¼SE¼ sec.6, T.19 N., R.16 E., 5 mi (8.0 km) south of center of West Point on U.S. Highway 45 W.
Owner: E. Hildreth.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).
DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, 0.40 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--August 1976 to October 1978 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water measured, 123.0 ft (37.49 m) below land-surface datum, Aug. 27, 1976; lowest measured, 130.15 ft (39.669 m) below land-surface datum, Oct. 5, 1978

Measurement discontinued.

COAHOMA COUNTY

342400090322001. Local number, C111.
LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi (1.6 km) south of center of Rich at Rose Acres Plantation headquarters.
Owner: Norfleet and Wilsford.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,837 ft (560 m), screened 1,796-1,837 ft (547-560 m).
DATUM.--Land-surface datum is 180.88 ft (55.13 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6 cm) tee, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--March 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft (12.43 m) above land-surface datum, July 26, 1940; lowest measured, 2.80 ft (0.853 m) below land-surface datum, Apr. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 20	2.80

340020090341201. Local number, E132.
LOCATION.--Lat 34°00'20", long 90°34'12", Hydrologic Unit 08030207, SW¼NW¼ sec.36, T.28 N., R.4 W., 4 mi (6.4 km) north of center of Clarksdale on State Highway 6.
Owner: Coahoma Junior College.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 2,000 ft (610 m), cased to 1,960 ft (597 m).
DATUM.--Land-surface datum is 176.74 ft (53.87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Apr. 2, 1976), 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--March 1940 to July 1961, October 1975 to April 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.68 m) above land-surface datum, June 24, 1940; lowest measured, 6.30 ft (1.920 m) above land-surface datum, May 11, 1977.

Measurement discontinued.

COAHOMA COUNTY--Continued

341720090304301. Local number, F12.
LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi (13 km) northeast of center of Clarksdale at airport on U.S. Highway 61.
Owner: City of Clarksdale.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 900 ft (274 m).
DATUM.--Land-surface datum is about 168 ft (51 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft (1.773 m) below land-surface datum, Apr. 14, 1971; lowest measured, 10.86 ft (3.310 m) below land-surface datum, Nov. 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 16	10.86

341202090343701. Local number, J98.
LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi (0.3 km) west of center of Clarksdale at Second Street and Riverside Ave.
Owner: City of Clarksdale.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 1,200 ft (366 m).
DATUM.--Land-surface datum is about 150 ft (46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1 cm) pipe, 0.30 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.304 m) below land-surface datum, Apr. 2, 1976; lowest measured, 4.25 ft (1.295 m) below land-surface datum, Nov. 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 16	4.25

COPIAH COUNTY

315314090233701. Local number, J33.
LOCATION.--Lat 31°53'14", long 90°23'37", Hydrologic Unit 03180003, NE¼NW¼ sec.34, T.1 N., R.2 W., 2 mi (3.2 km) north of center of Hazlehurst.
Owner: R. C. Owen Co.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diamter 6 in (15 cm), depth 260 ft (79.3 m), cased to 240 ft (73.2 m).
DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum, Sept. 4, 1977.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.00 ft (28.346 m) below land-surface datum, September 1967; lowest measured, 101.14 ft (30.827 m) below land-surface datum, Nov. 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 1	98.87

315130090233901. Local number, P8.
LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec.10, T.10 N., R.8 E., at water plant near center of Hazlehurst.
Owner: Town of Hazlehurst.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).
DATUM.--Land-surface datum is about 442.7 ft (134.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 10 in (25 cm) casing at land-surface datum.
PERIOD OF RECORD.--1954, 1957, August 1971, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 172.93 ft (52.709 m) below land-surface datum, Oct. 11, 1978; lowest measured, 196 ft (59.740 m) below land-surface datum, 1954.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 1	176.85

COPIAH COUNTY--Continued

315128090205202. Local number, P49.
LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec.12, T.10 N., R.8 E., 3 mi (4.8 km) east of center of Hazlehurst at Shady Grove Community.
Owner: Town of Hazlehurst.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 295 ft (90 m), cased to 225 ft (77.7 m).
DATUM.--Land-surface datum is about 435 ft (133 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.60 ft (0.49 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft (33.528 m) below land-surface datum, 1967; lowest measured, 143.60 ft (43.769 m) below land-surface datum, Apr. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 1	143.60

COVINGTON COUNTY

314447089302201.--Local number, C28.
LOCATION.--Lat 31°44'47", long 89°30'22", Hydrologic Unit 03170004, NW¼SW¼ sec.15, T.9 N., R.15 W., 10 mi (16 km) southeast of Mt. Olive on State Highway 532.
Owner: Mississippi Forestry Commission.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (8 cm), depth 250 ft (76 m).
DATUM.--Land-surface datum is about 400 ft (122 m) National Vertical Datum of 1929. Measuring point: Top of concrete slab, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--August 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 121.98 ft (37.179 m) below land-surface datum, Apr. 18, 1980; lowest measured, 123.80 ft (37.734 m) below land-surface datum, Jan. 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	121.98

DE SOTO COUNTY

345736090102301. Local number, A103.
LOCATION.--Lat 34°57'36", long 90°10'23", Hydrologic Unit 08030204, NW¼NE¼ sec.32, T.1 S., R.9 W., 1.2 mi (1.9 km) west of center of Walls.
Owner: H. P. Sullivan.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth 1,525 ft (465 m), cased to 1.485 ft (453 m).
DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1 cm) drop pipe, 3.30 ft (1.01 m) above land-surface datum.
PERIOD OF RECORD.--July 1939, February 1955 to November 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.25 ft (4.953 m) above land-surface datum, July 15, 1939; lowest measured, 30.32 ft (9.241 m) below land-surface datum, Nov. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 30	30.32

345726089492901. Local number, D2.
LOCATION.--Lat 34°57'26" long 89°49'29", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., 0.35 mi (0.56 km) east of center of Olive Branch.
Owner: Town of Olive Branch.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in (25 m), depth 266 ft (81 m).
DATUM.--Land-surface datum is about 400 ft (122 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft (40.660 m) below land-surface datum, 1956; lowest water level measured 140.42 ft (42.800 m) below land-surface datum, Jan. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 4	138.35

311834089170101. Local number, D8.
LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi (3.2 km) southeast of center of Hattiesburg at Williams Street and Alcorn Street.
Owner: City of Hattiesburg.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 4 in (10 cm), depth 710 ft (216 m), screened 610-710 ft (186-216 m).
DATUM.--Land-surface datum is about 140 ft (43 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.75 ft (0.53 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1964, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft (6.422 m) below land-surface datum, Dec. 21, 1964; lowest measured, 95.18 ft (29.010 m) below land-surface datum, Nov. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 30	76.25	AUG 19	87.92

311930089173001. Local number, D130.
LOCATION.--Lat 31°19'30", long 89°17'30", Hydrologic Unit 03170005, SE¼NW¼ sec.10, T.4 N., R.13 W., 0.1 mi (0.2 km) south of center of Hattiesburg at Front Street and Hemphill Street at Community Center.
Owner: City of Hattiesburg.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 390 ft (119 m), screened 310-390 ft (94-119 m).
DATUM.--Land-surface datum is 151.76 ft (46.26 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of discharge pipe, 7.75 ft (2.36 m) above land-surface datum.
PERIOD OF RECORD.--March 1940 to July 1954, November 1956 to April 1973, June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft (2.209 m) above land-surface datum, June 12, 1950; lowest measured, 33.08 ft (10.082 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	28.72

311137089110501. Local number, G116.
LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi (4.8 km) east of south gage of Camp Shelby at Jackson Ave. and 39th Street.
Owner: U.S. Government-Mississippi National Guard. Camp Shelby.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in (10-7.6 cm), depth 416 ft (127 m), screened 382-416 ft (116-127 m).
DATUM.--Land-surface datum is 258.44 ft (78.77 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing flange, 2.00 ft (0.61 m) above land-surface datum.
REMARKS.--Occasional pumping nearby.
PERIOD OF RECORD.--1943-45, February 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft (37.210 m) below land-surface datum, Apr. 2, 1954; lowest measured, 142.40 ft (43.403 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	138.78

310130089094301 (formerly 310130089093101). Local number, L23.
LOCATION.--Lat 31°01'3"0, long 89°09'43", Hydrologic Unit 03170007, NW¼NW¼ sec.25, T.1 N., R.12 W., 3 mi (4.8 km) southeast of center of Brooklyn at Ashe Nursery.
Owner: Ashe Nursery.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 728 ft (222 m).
DATUM.--Land-surface datum is about 285 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft (50.749 m) below land-surface datum, Aug. 5, 1971, lowest measured, 177.46 ft (54.089 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	175.14

FRANKLIN COUNTY

313026091035101. Local number, F1.
LOCATION.--Lat 31°30'26", long 91°03'31", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi (0.2 km) northeast of center of Roxie at 3rd Street and East Blvd.
Owner: Town of Roxie.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 250 ft (76 m), cased to 230 ft (70 m).
DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.90 ft (0.58 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.89 ft (6.062 m) below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft (8.772 m) below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	22.53

GREENE COUNTY

313530088310501 (Formerly 311435088312201). Local number, M2.
LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 8 mi (13 km) northeast of center of Leakesville.
Owner: H. F. Garreston, Jr.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 703 ft (214 m).
DATUM.--Land-surface datum is about 107 ft (33 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--January 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft (6.70 m) above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 3	15.50

GRENADA COUNTY

335032089473101. Local number B102.
LOCATION.--Lat 33°50'32", long 89°47'31", Hydrologic Unit 08030205, SE¼SE¼ sec.20, T.23N., R.5 E., 4 mi (6.4 km) north of center of Grenada at Grenada Airport.
Owner: City of Grenada.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 195 ft (59.44 m).
DATUM.--Land-surface datum is 210 ft (64.01 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--November 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.44 ft (1.048 m) below land-surface datum, Nov. 1, 1979; lowest water level measured, 3.44 ft (1.048 m) below land-surface datum, Nov. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 1	3.44

334556089583501. Local number, F112.
LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE¼SE¼ sec.16, T.22 N., R.3 E., 0.2 mi (0.3 km) northwest of center of Holcomb at school.
Owner: Holcomb School.
AQUIFER.--Sand of Wilcox Group of late Paleocene.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 983 ft (300 m), screened 943-983 ft (287-300 m).
DATUM.--Land-surface datum is 183.14 ft (55.82 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6 cm) tee, 1.40 ft (0.43 m) above land-surface datum, or top of discharge pipe, 1.20 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft (9.26 m) above land-surface datum, July 31, 1941; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 1	12.00

GRENADA COUNTY--Continued

334128089441701. Local number, H111.
LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE¼SE¼ sec.11, T.21 N., R.5 E., 1 mi (1.6 km) east of center of Elliot on west bank of Batupan Bogue.
Owner: E. T. Hill.
AQUIFER.--Sand of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 502 ft (153 m), screened 421-502 ft (128-153 m).
DATUM.--Land-surface datum is 208.69 ft (63.61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft (1.22 m) above land-surface datum.
PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft (4.724 m) above land-surface datum, Jan. 2, 1943; lowest measured, 0.12 ft (0.037 m) above land-surface datum, Oct. 26, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 26	0.12

334147089433801. Local number, H113.
LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi (2.4 km) east of center of Elliot.
Owner: J. W. Willis, Sr.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in (30-25 cm), depth 211 ft (64 m), screened 161-211 ft (49-64 m).
DATUM.--Land-surface datum is 216.70 ft (66.05 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft (1.04 m) above land-surface datum.
PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.96 ft (0.597 m) below land-surface datum, Mar. 21, 1979; lowest measured, 15.74 ft (4.797 m) below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 26	9.92

334148089425701. Local number, J2.
LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec.7, T.21 N., R.6 E., 2.5 mi (4.0 km) east of center of Elliot.
Owner: J. W. Willis, Jr.
AQUIFER.--Sand of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in (30 cm), depth 429 ft (131 m), cased to 390 ft (119 m).
DATUM.--Land-surface datum is 227.21 ft (69.25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976, 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.640 m) above land-surface datum, Sept. 19, 1942; lowest measured, 14.68 ft (4.474 m) below land-surface datum, Oct. 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 26	14.68

HANCOCK COUNTY

302158089372901. Local number, H3.
LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec.8, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,524 ft (465 m), cased to 1,464 ft (446 m).
DATUM.--Land-surface datum is 28 ft (8.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 4.20 ft (1.28 m) above land-surface datum.
PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.5 m) above land-surface datum, January 1963 lowest measured, 54.6 ft (16.64 m) above land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	58.00

302140089345901. Local number, H4.
LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1,873 ft (571 m), cased to 1,803 ft (550 m).
DATUM.--Land-surface datum is 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet 1.90 ft (0.58 m) above land-surface datum.
PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft (31.7 m) above land-surface datum, 1963; lowest measured, 74.0 ft (22.55 m) above land-surface datum, Apr. 6, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 30	83.25

302227089373001. Local number, H5.
LOCATION.--Lat 30°22'27", Long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec.5, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,481 ft (451 m), cased to 1,420 ft (433 m).
DATUM.--Land-surface datum 29 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 6.20 ft (1.89 m) above land-surface datum.
PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1 1970, April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft (24.78 m) above land-surface datum June 3, 1966; lowest measured, 54.71 ft (16.675 m) above land-surface datum June 5, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	54.71

302140089351401. Local number, H6.
LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1,695 ft (517 m), cased to 1,585 ft (483 m).
DATUM.--Land-surface datum is 23 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 3.0 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft (28.93 m) above land-surface datum, Nov. 11, 1965; lowest measured, 64.25 ft (19.583 m) above land-surface datum, Apr. 6, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 30	72.30

302206089350601. Local number, H7.
LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30.5 cm), depth 1,434 ft (437.1 m), cased to 1,371 ft (417.9 m).
DATUM.--Land-surface datum is 25 ft (7.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder 0.4 ft (0.12 m) below land-surface datum.
PERIOD OF RECORD.--1964, 1967, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft (27.31 m) above land-surface datum, Mar. 1, 1967; lowest measured, 60.33 ft (18.388 m) above land-surface datum, June 5, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	60.33

302126089351401. Local number, H8.
LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in (61 cm), depth 672 ft (205 m), cased to 460 ft (140 m).
DATUM.--Land-surface datum is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 3.5 ft (1.1 m) above land-surface datum.
PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft (4.54 m) above land-surface datum, Apr. 19, 1965; lowest measured, 5.1 ft (1.55 m) above land-surface datum, Apr. 25, 1970.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	8.15

302118089351501. Local number, H11.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 676 ft (206 m), cased to 646 ft (197 m).
DATUM.--Land-surface datum is 21.4 ft (6.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90 cm) gate valve, 2.90 ft (0.88 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft (5.33 m) above land-surface datum, Apr. 20, 1972; lowest measured, 9.0 ft (2.74 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	9.55

302118089351502. Local number, H12.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 599 ft (183 m), cased to 569 ft (173 m).
DATUM.--Land-surface datum is 20.9 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90 cm) gate valve, 2.90 ft (0.88 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft (4.42 m) above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft (1.68 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	7.65

302118089351503. Local number, H13.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 491 ft (150 m), cased to 461 ft (141 m).
DATUM.--Land-surface datum is 21.2 ft (6.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90 cm) gate valve, 2.60 ft (0.79 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft (3.81 m) above land-surface datum, Apr. 20, 1972, lowest measured, 1.0 ft (0.30 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	5.35

HANCOCK COUNTY-Continued

302118089351504. Local number, H14.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.6 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA)
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 144 ft (44 m), cased to 84 ft (26 m).
DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--1968, January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft (1.10 m) below land-surface datum, May 1, 1974; lowest measured, 8.3 ft (2.53 m) below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	4.32

301858089202301. Local number, K1.
LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi (0.8 km) south of center of Bay St. Louis at St. Charles Street and Hancock Street.
Owner: City of Bay St. Louis.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,300 ft (396 m), cased to 1,280 ft (390 m).
DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.20 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--November 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft (9.17 m) above land-surface datum, Nov. 1, 1960; lowest measured, 4.44 ft (1.353 m) below land-surface datum, July 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	2.74

301900089201801. Local number, K4.
LOCATION.--Lat 30°19'00", long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., .2 mi (.32 km) north of Beach Blvd. on St. Charles Street.
Owner: City of Bay St. Louis.
AQUIFER.--Sand of Pascagoula Formation of Late Miocene age.
WELL CHARACTERISTICS--Drilled public supply artesian well, diameter 8 in (20 cm), depth 1210 ft (369 m), cased to 1150 ft (292 m).
DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.
PERIOD OF RECORD.--August 1975, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft (5.2 m) above land-surface datum, Aug. 1975; lowest water level measured 6.47 ft (1.972 m) above land-surface datum, July 16, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 5	11.35

HARRISON COUNTY

303110089070201. Local number, G121.
LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi (3.2 km) northwest of center of Lyman at fish hatchery.
Owner: Mississippi Game and Fish Commission.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 456 ft (139 m), screened 416-456 ft (127-139 m).
DATUM.--Land-surface datum is about 70 ft (22 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1939, July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft (3.05 m) below land-surface datum, Apr. 14, 1939; lowest measured, 53.78 ft (16.392 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	52.27

302240089025401. Local number, L144.
LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi (4.0 km) east of center of Gulfport at V.A. Hospital on U.S. Highway 90.
Owner: U.S. Government (V.A. Hospital).
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 898 ft (274 m), cased to 818 ft (249 m).
DATUM.--Land-surface datum is about 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Steel plate on top of tee, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft (8.62 m) above land-surface datum, Mar. 17, 1939; lowest measured, 34.05 ft (10.378 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	28.70

302200089053301. Local number, L154.
LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.
Owner: U.S. Post Office Dept., Gulfport.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 1,262 ft (385 m), screened 1,232-1,262 ft (376-385 m).
DATUM.--Land-surface datum is 19.62 ft (5.98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6 cm) casing tee, 1.70 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft (8.26 m) above land-surface datum, Jan. 31, 1940; lowest measured, 14.59 ft (4.447 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 18	12.49

302127089051901. Local number, L172.
LOCATION.--Lat 30°21'27", long 89°05'19", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., 0.7 mi (1.1 km) south of center of Gulfport on south end of municipal pier.
Owner: Gulfport Municipal Harbor. South end of main pier.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 800 ft (244 m), cased to 760 ft (232 m).
DATUM.--Land-surface datum is 7.6 ft (2.93 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--1939, June 1956 to November 1974, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.0 ft (11.58 m) above land-surface datum, Mar. 16, 1939; lowest measured, 5.8 ft (1.77 m) below land-surface datum, Nov. 6, 1974.

No measurement made in water year 1980.

302355088540301. Local number, M120.
LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi (1.6 km) west of center of Biloxi at Howard Ave. and Querens Street.
Owner: City of Biloxi.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 928 ft (283 m), sounded to 660 ft (201 m).
DATUM.--Land-surface datum is 21.28 ft (6.49 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20-cm) flange, 3.00 ft (0.91 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft (13.41 m) above land-surface datum, 1903; lowest measured, 68.59 ft (20.906 m) below land-surface datum, Aug. 15, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	59.22	57.06	54.46	49.60	50.60	51.32	48.64	53.20	---	---	67.82	67.02
10	60.77	55.32	53.46	47.75	50.03	49.81	49.66	50.74	---	---	68.31	66.90
15	59.80	56.60	54.22	47.41	47.20	50.63	47.61	51.82	---	68.58	68.59	67.47
20	57.18	54.92	52.98	49.22	49.61	43.37	48.63	52.28	---	67.16	67.74	66.67
25	57.59	52.70	50.06	46.08	48.58	47.81	47.52	53.70	---	66.58	68.02	66.40
EOM	56.00	48.57	49.62	47.77	49.19	47.66	52.50	58.13	---	67.35	67.52	68.00

HARRISON COUNTY--Continued

301856089145301. Local number, N3.
LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi (0.2 km) northwest of center of Pass Christian at 2nd and Clark Streets.
Owner: Town of Pass Christian.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,111 ft (339 m), cased to 1,051 ft (320 m).
DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20 cm) tee, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--1948, 1968, August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft (11.9 m) above land-surface datum, 1948; lowest measured, 4.60 ft (1.402 m) above land-surface datum, June 4, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 4	4.60

HINDS COUNTY

322828090170501. Local number, C15.
LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi (0.3 km) northeast of center of Pocahontas at elevated water tank.
Owner: Town of Pocahontas.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 786 ft (240 m).
DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on well head, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--September 1959, September 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft (26.700 m) below land-surface datum, Sept. 15, 1959; lowest measured, 107.18 ft (32.668 m) below land-surface datum, May 8, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 8	107.18

321949090361501. Local number, D1.
LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi (0.3 km) south of center of Edwards on State Highway 467.
Owner: Town of Edwards.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,154 ft (352 m).
DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in west side of pump base, at land-surface datum.
PERIOD OF RECORD.--1930, September 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft (25.6 m) below land-surface datum, 1930; lowest measured, 114.13 ft (34.786 m) below land-surface datum, Apr. 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 30	114.13

321945090152201. Local number, G125.
LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi (8 km) northwest of center of Jackson at Clinton Blvd. and Dixon Rd.
Owner: Shady Oaks Country Club.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 852 ft (260 m), cased to 802 ft (244 m).
DATUM.--Land-surface datum is 372 ft (113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) coupling, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--1928, September 1944 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft (48.77 m) below land-surface datum, 1928; lowest measured, 301.28 ft (91.830 m) below land-surface datum, Aug. 20, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	299.38	JAN 10	294.90	MAR 30	293.54	MAY 21	294.80	JUL 28	300.55
NOV 21	297.93	FEB 20	294.55	APR 30	293.58	JUN 27	298.23	AUG 20	301.28

322146090133001. Local number, H3.
LOCATION.--Lat 32°21'46", long 90°13'30", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 7 mi (11 km) northwest of center of Jackson on Forrest Ave. Ext.
Owner: R. D. Robinson.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 760 ft (232 m).
DATUM.--Land-surface datum is about 360 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.00 ft (60.960 m) below land-surface datum, Apr. 2, 1970; lowest measured, 245.55 ft (74.843 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 10	222.19	MAR 30	209.09

322301090090001. Local number, H23.
LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Briarwood Drive and I55.
Owner: Kenneth Muse.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 728 ft (222 m).
DATUM.--Land-surface datum is about 315 ft (96 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.20 m) above land-surface datum.
PERIOD OF RECORD.--October 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft (49.365 m) below land-surface datum, Apr. 12, 1957; lowest measured, 233.30 ft (71.109 m) below land-surface datum, Aug. 20, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	227.15	JAN 10	229.12	MAR 30	223.82	MAY 21	224.45	JUL 28	226.37
NOV 21	227.14	FEB 20	229.19	APR 30	224.10	JUN 27	225.94	AUG 20	233.30

322021090114101. Local number, H43.
LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Livingston Road and Stonewall Street.
Owner: Royster Co.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 850 ft (259 m).
DATUM.--Land-surface datum is 336.83 ft (102.67 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft (56.903 m) below land-surface datum, Apr. 12, 1957; lowest measured, 259.25 ft (79.019 m) below land-surface datum, Sept. 7, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	258.55	JAN 10	249.05	MAR 30	247.49	MAY 21	247.65	JUL 28	252.02
NOV 21	251.20	FEB 20	248.01	APR 30	248.31	JUN 27	250.90	AUG 20	253.90

321957090105601. Local number, H155.
LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi (3.2 km) north of center of Jackson or North West Street near Taylor Street.
Owner: Mississippi Geological Survey.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in (10 cm), depth 158 ft (48 m).
DATUM.--Land-surface datum is about 330 ft (101 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft (43.626 m) below land-surface datum, July 11, 1972; lowest 154.24 ft (47.012 m) below land-surface datum, July 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	151.10	MAR 30	151.20	MAY 21	152.20	JUL 28	152.28
JAN 10	151.32	APR 30	151.20	JUN 27	151.96	AUG 20	153.30

322241090073701. Local number, H160.
LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi (11 km) northeast of center of Jackson at Old Canton Road and Parkway.
Owner: Colonial Country Club.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 773 ft (236 m), cased to 634 ft (193 m).
DATUM.--Land-surface datum is about 305 ft (93 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft (41.675 m) below land-surface datum, Mar. 30, 1954; lowest measured, 211.40 ft (64.434 m) below land-surface datum, Aug. 20, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	208.82	JAN 10	206.61	MAR 30	204.46	MAY 20	204.99	JUL 28	209.18
NOV 21	208.41	FEB 20	205.70	APR 30	204.98	JUN 27	207.36	AUG 20	211.40

322222090095201. Local number, H164.
LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi (11 km) north of center of Jackson on North State Street.
Owner: Homewood Manor Trailor Court.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 738 ft (225 m).
DATUM.--Land-surface datum is about 298 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side of casing, 0.3 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--January 1975, June 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft (59.634 m) below land-surface datum, June 10, 1977; lowest measured 212.46 ft (64.757 m) below land-surface datum, Aug. 20, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 21	211.47	MAR 30	207.07	MAY 21	208.60	JUL 28	212.08
JAN 10	209.07	APR 30	207.84	JUN 27	210.06	AUG 20	212.46

HINDS COUNTY--Continued

321300090142001. Local number, R23.
LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi (9.7 km) south of center of Jackson at Taylorsville on Elton Road near Terry Road.
Owner: E. J. Ainsworth.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 840 ft (256 m).
DATUM.--Land-surface datum is about 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft (67.352 m) below land-surface datum, June 30, 1959; lowest measured, 272.99 ft (83.207 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 30	267.49

320620090370001. Local number, S3.
LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi (1.6 km) east of center of Utica on State Highway 28 near State Highway 27.
Owner: Town of Utica.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,310 ft (399 m), screened 1,240-1,310 ft (378-399 m).
DATUM.--Land-surface datum is about 308 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft (0.43 m) above land-surface datum.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft (54.757 m) below land-surface datum, Feb. 27, 1958; lowest measured, 193.99 ft (59.128 m) below land-surface datum, Apr. 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 30	193.99

HOLMES COUNTY

330650090034501. Local number, L43.
LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi (0.5 km) west of center of Lexington on Boulevard Street at McLean Street.
Owner: Eric Norquist.
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth reported 1,000 ft (305 m).
DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, at land-surface datum.
PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.884 m) above land-surface datum, Jan. 12, 1959; lowest measured, 0.90 ft (0.274 m) below land-surface datum, Nov. 3, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 15	0.80

330448090192201. Local number, P159.
LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton.
Owner: M. L. Smith.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth, 1,597 ft (487 m), screened 1,557-1,597 ft (475-487 m).
DATUM.--Land-surface datum is 111.72 ft (34.05 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6 cm) tee, at land-surface datum.
PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft (42.55 m) above land-surface datum, July 31, 1941; lowest measured, 68.0 ft (20.73 m) above land-surface datum, Nov. 13, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 13	68.0

330443089512503. Local number, T4.
LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi (0.5 km) northwest of center of Durant at Lamar Street and Ramsey Street.
Owner: Town of Durant.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 700 ft (213 m).
DATUM.--Land-surface datum is 267 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in (1.90-cm) hole in west side of well head, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--January 1957, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft (1.8 m) above land-surface datum, Jan. 1957; lowest measured, 28.00 ft (8.534 m) below land-surface datum, Oct. 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 15	28.00

330420089510901. Local number, T14.
LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi (0.2 km) southeast of center of Durant at Cedar Street and Love Street.
Owner: Illinois Central Railroad.
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 608 ft (185 m), cased to 588 ft (179 m).
DATUM.--Land-surface datum is about 263 ft (80 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (5.1-cm) hole in top of casing, 0.60 ft (0.18 m) above land-surface datum.
PERIOD OF RECORD.--October 1959, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft (2.064 m) above land-surface datum, Oct. 8, 1959; lowest measured, 9.65 ft (2.941 m) below land-surface datum, Oct. 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 15	9.65

HUMPHREYS COUNTY

331151090290201. Local number, C110.
LOCATION.--Lat 33°11'51", long 90°29'02", Hydrologic Unit 08030207, NW¼NW¼ sec.35, T.16 N., R.3 W., 1.4 mi (2.2 km) northeast of center of Belzoni on east side of U.S. Highway 49W.
Owner: Wister Henry.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4-2 in (10-5.1 cm), depth 1,627 ft (496 m), screened 1,587-1,627 ft (484-496 m).
DATUM.--Land-surface datum is 115.21 ft (35.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--November 1939 to December 1941, April 1944 to November 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114.3 ft (34.84 m) above land-surface datum, Feb. 1, 1941; lowest measured, 52.50 ft (16.002 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 14	59.00

ITAWAMBA COUNTY

341633088243801. Local number, G24.
LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi (0.3 km) northwest of center of Fulton on Hill Street at Waterworks.
Owner: Town of Fulton.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 164 ft (50 m).
DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft (0.38 m) above land-surface datum.
PERIOD OF RECORD.--August 1954, August 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft (7.19 m) below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft (22.753 m) below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 22	48.03

ITAWAMBA COUNTY--Continued

341604088244601. Local number, G67.
LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., 0.6 mi (1.0 km) southeast of center of Fulton along railroad track.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm) depth 175 ft (53 m).
DATUM.--Land-surface datum is about 284 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor 3.80 ft (1.16 m) above land surface datum.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 8.17 ft (2.49 m) below land-surface datum, June 8, 1978; lowest measured, 35.18 ft (10.723 m) below land-surface datum, Aug. 31, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.81	27.42	---	29.66	29.39	29.98	29.48	29.85	33.48	34.73	---	34.81
10	25.63	27.92	---	30.35	30.98	29.64	29.90	30.06	33.01	34.73	---	34.27
15	27.57	28.23	---	30.35	31.51	30.49	29.66	31.57	34.71	34.73	---	34.54
20	28.77	---	29.89	30.68	30.76	30.13	29.99	32.30	34.71	---	---	34.37
25	27.13	---	29.37	30.04	31.23	30.07	30.53	32.15	34.71	---	---	34.00
EOM	26.58	---	29.65	30.09	29.97	29.79	---	33.17	34.73	---	35.18	33.29

JACKSON COUNTY

302454088493401. Local number, N48.
LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Ocean Springs at Robinson Avenue and Cash Alley.
Owner: Louisville and Nashville Railroad.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 535 ft (163 m), screened 495-535 ft (151-163 m), cased to 495 ft (151 m).
DATUM.--Land-surface datum is about 23 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northwest side of pump, 0.80 ft (0.24 m) above land-surface datum.
PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.14 m) above land-surface datum, 1928; lowest measured, 65.67 ft (20.016 m) below land-surface datum, June 4, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	63.86	JUN 4	65.67

302454088493402. Local number, N49.
LOCATION.--Lat 30°24'54", long 88°49'34", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Oceans Springs at Robinson Avenue and Casy Alley.
Owner: Louisville and Nashville Railroad.
AQUIFER.--Sand of Pascagoula Formation of Late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,290 ft (393 m).
DATUM.--Land-surface datum is about 25 ft (8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10.2 cm) well, 2 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.3 m) above land-surface datum, Apr. 20, 1977; lowest measured, 20.90 ft (6.370 m) above land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 6	20.90

302357088473801. Local number, N73.
LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi (3.2 km) southeast of center of Ocean Springs on Henley Street near park entrance.
Owner: Magnolia State Park.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 536 ft (163 m), screened 516-536 ft (157-163 m).
DATUM.--Land-surface datum is about 22 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft (3.657 m) above land-surface datum, Apr. 8, 1938; lowest measured, 63.83 ft (19.455 m) below land-surface datum, July 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	62.35	JUN 4	63.83

302451088325901. Local number, P45.
LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi (0.8 km) northwest of center of Moss Point at Weems Street and Dantzler Street.
Owner: Central Artesian Well Co.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 806 ft (246 m), cased to 806 ft (246 m).
DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in tee, 0.80 ft (0.24 m) above land-surface datum.
PERIOD OF RECORD.--September 1919, September 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft (8.53 m) above land-surface datum, Sept. 6, 1919; lowest measured, 54.07 ft (16.480 m) below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	54.07	JUN 4	50.92

302244088325801. Local number, P68.
LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi (1.6 km) north of center of Pascagoula at Market Street and River Road.
Owner: City of Pascagoula.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 292 ft (89 m), cased to 282 ft (86 m).
DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in top of plate at well head, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft (15.560 m) below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft (29.230 m) below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 6	81.15

302205088334005. Local number, P113.
LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi (0.3 km) northwest of center of Pascagoula at Railroad Ave. and Frederic Street.
Owner: City of Pascagoula.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (25 cm), depth 388 ft (118 m), cased to 308 ft (94 m).
DATUM.--Land-surface datum is about 13 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.
PERIOD OF RECORD.--April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft (10.485 m) below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft (23.037 m) below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 4	62.69

302134088330803. Local number, P124.
LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi (0.8 km) southeast of center of Pascagoula at Community Street east of Pascagoula Street.
Owner: City of Pascagoula.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 801 ft (244 m), cased to 721 ft (220 m).
DATUM.--Land-surface datum is 10.50 ft (3.20 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft (0.30 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft (1.433 m) below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft (44.086 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 4	85.63

302042088331801. Local number, P134.
LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi (2.4 km) south of center of Pascagoula at Farnsworth Ave. and Firth St.
Owner: City of Pascagoula.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 750 ft (229 m).
DATUM.--Land-surface datum is 10.54 ft (3.21 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft (0.30 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft (3.090 m) below land-surface datum, May 5, 1960, lowest measured, 121.03 ft (36.889 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	68.22	JUN 4	75.98

302236088315401. Local number, P142.
LOCATION.--Lat 30°22'36", long 88°31'54", Hydrologic Unit 03170006, NE¼SE¼ sec.1, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula on U.S. Highway 90.
Owner: VFW Post 3373.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 650 ft (198 m).
DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--1960, 1977, May 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.3 m) below land-surface datum, 1960; lowest measured, 148.13 ft (45.150 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

No measurement made in water year 1980.

302535088303501. Local number, Q25.
LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi (3.2 km) east of center of Escatawpa on Elder Ferry Road at packing plant.
Owner: Smith Fisheries.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 200 ft (61 m).
DATUM.--Land-surface datum is about 4 ft (1.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft (3.069 m) below land-surface datum, Apr. 15, 1960; lowest measured, 49.56 ft (15.106 m) below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 4	41.15

302126088293801. Local number, Q112.
LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.
Owner: Jackson County Board of Supervisors.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in (15-10 cm), depth 202 ft (62 m), screened 192-202 ft (59-62 m), cased to 192 ft (59 m).
DATUM.--Land-surface datum is about 3.4 ft (1.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft (1.917 m) below land-surface datum, May 6, 1960; lowest measured, 16.22 ft (4.944 m) below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	14.38	JUN 3	14.10

302304088305901. Local number, Q149.
LOCATION.--Lat 30°23'04", long 88°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., .5 mi (0.80 km) west of State Highway 607 on U.S. Highway 90 east of Pascagoula.
Owner: Dairy Fresh Corporation.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 333 ft (101 m).
DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) pipe, at land-surface datum.
PERIOD OF RECORD.--June 1963, August 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19.2 m) below land-surface datum, June 1, 1963; lowest water level measured 111.52 ft (33.991 m) below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	111.11	JUN 3	102.39

302103088294701. Local number, Q403.
LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.
Owner: U.S. Geological Survey.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 346 ft (105 m), cased to 340 ft (104 m).
DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.3 ft (1.0 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 115.66 ft (35.253 m) below land-surface datum, May 17, 1977; lowest measured, 145.1 ft (44.23 m) below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	121.47	131.22	131.76	131.09	124.13	128.47		---	132.44	129.14
10		127.25	121.60	134.46	129.57	128.26	125.48	129.19		---	131.25	129.98
15		124.49	133.88	129.58	130.87	127.03	125.22	129.22		131.25	134.92	127.84
20		128.87	129.36	129.13	133.33	124.71	126.44	129.13		128.41	133.88	125.25
25		123.27	126.26	131.96	131.11	119.92	135.08	126.24		127.88	130.87	124.04
EOM		122.66	124.92	130.34	131.88	120.78	130.92	125.50		132.15	129.72	125.30

302253088302401. Local number Q407.
LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi (4 km) east of center of Pascagoula on Old Mobile Highway at Chateau Drive.
Owner: City of Pascagoula.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 327 ft (97 m).
DATUM.--Land-surface datum is about 13.5 ft (4.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) pipe, 2.50 ft (.76 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--March 1975, April 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft (28.04 m) below land-surface datum Mar. 1, 1975; lowest measured, 146.93 ft (44.784 m) below land-surface datum, Oct. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	146.70	JUN 3	141.90

302141088313101. Local number, Q424.
LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009 sec.30, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula at Chico and Scovel Streets.
Owner: City of Pascagoula.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 182 ft (55 m).
DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.04 ft (6.719 m) below land-surface datum, Apr. 5 1979; lowest measured, 25.0 ft (7.62 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	23.01	DEC 14	23.11	JAN 28	22.93	MAR 5	23.00	JUN 5	22.56	JUL 11	23.20

JEFFERSON COUNTY

314247091034201. Local number, H3.
LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi (0.2 km) west of courthouse in Fayette at waterworks.
Owner: Town of Fayette.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 272 ft (83 m), screened 232-272 ft (71-83 m), cased to 232 ft (71 m).
DATUM.--Land-surface datum is 280 ft (85 m) National Geodetic Vertical Datum of 1929 (formerly 270 ft). Measuring point: Top of casing, 1.10 ft (0.34 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--March 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft (35.845 m) below land-surface datum, Sept. 9, 1962; lowest measured, 144.36 ft (44.001 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 14	142.45

JONES COUNTY

313928089103001. Local number, F20.
LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi (8 km) southwest of center of Laurel and 0.2 mi (0.3 km) south of Laurel Airport.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in (51-30 cm), depth 466 ft (142 m), cased to 406 ft (124 m).
DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft (36.21 m) below land-surface datum, Dec. 5, 1977; lowest measured, 174.47 ft (53.179 m) below land-surface datum, July 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	158.78	154.30	157.97	133.83	---	143.26	---	132.51	146.10	148.33	157.17	164.56
10	---	158.90	149.22	---	---	139.73	130.03	135.27	142.49	154.87	152.67	172.33
15	---	157.93	145.47	138.82	---	139.78	127.42	135.86	141.93	163.49	161.10	171.67
20	---	157.89	142.24	135.42	---	---	127.91	130.71	147.88	155.48	169.48	173.21
25	160.13	155.94	138.58	---	---	---	133.86	129.26	145.23	161.14	170.25	---
EOM	158.17	163.19	137.34	---	143.07	---	133.13	141.60	145.72	164.01	161.98	---

314053089065001. Local number, G10.
LOCATION.--Lat 31°40'53", long 89°06'50", Hydrologic Unit 03170005, NW¼NE¼ sec.6, T.8 N., R.11 W., 0.5 mi (0.8 km) west of center of Laurel at 6th street and 9th Avenue at waterworks.
Owner: City of Laurel.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,316 ft (401 m), cased to 1,236 ft (377 m).
DATUM.--Land-surface datum is 278.04 ft (84.75 m) National Geodetic Vertical Datum of 1929. Measuring points: 1-in (2.54-cm) nipple in steel plate on well head 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--April 1962 to April 1963, June 1970 to March 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.47 ft (6.849 m) below land-surface datum, Apr. 17, 1962; lowest measured, 39.10 ft (11.918 m) below land-surface datum, Apr. 23, 1974.

Measurement discontinued.

JONES COUNTY--Continued

314143089083901. Local number, G55.
LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi (1.6 km) west of the center of Laurel at 6th Street and 14th Avenue.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in (61-30 cm), depth 405 ft (123 m), cased to 345 ft (105 m).
DATUM.--Land-surface datum is 279.2 ft (85.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1964, January 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft (38.4 m) below land-surface datum, Mar. 1964; lowest measured, 197.50 ft (60.198 m) below land-surface datum, Oct. 31, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	177.50	JAN 16	174.03	FEB 27	170.15	APR 8	170.44	APR 17	167.84	JUN 30	183.75

LAFAYETTE COUNTY

342550089312801. Local number, B4.
LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi (8 km) north of center of Oxford on west side of State Highway 7.
Owner: U.S. Plywood Company.
AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 248 ft (76 m), cased to 208 ft (63 m).
DATUM.--Land-surface datum is about 430 ft (131 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.40 ft (24.201 m) below land-surface datum, June 16, 1980; lowest measured, 88.65 ft (27.021 m) below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Dec. 6	81.50	FEB 6	80.55	APR 29	79.95	JUN 16	79.40	SEP 3	80.10

342136089315001. Local number, F5.
LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi (1.6 km) southwest of center of Oxford at University.
Owner: University of Mississippi.
AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 113 ft (34 m), cased to 98 ft (30 m).
DATUM.--Land-surface datum is about 460 ft (140 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--1962, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft (21.684 m) below land-surface datum, Dec. 9, 1976; lowest measured, 82.00 ft (24.994 m) below land-surface datum, Mar. 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 7	78.10	FEB 6	76.15	JUN 16	75.20

342130089313001. Local number, F21.
LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi (2.4 km) southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Rd.
Owner: City of Oxford.
AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth reported 250 ft (76 m).
DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--October 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.06 ft (24.707 m) below land-surface datum, July 23, 1979, lowest measured, 113.20 ft (34.503 m) below land-surface datum, Jan. 13, 1979.

No measurements made in water year 1980.

LAFAYETTE COUNTY--Continued

342104089320301. Local number, F112.
LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S, R.3 W., 1.5 mi (2.4 km) south of State Highway 6 on Old Taylor Rd.
Owner: City of Oxford.
AQUIFER.--Sand of the Wilcox Group of early Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 439 ft (134 m).
DATUM.--land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing, 1.00 ft (0.30 m) above land-surface datum.
REMARKS.--Water levels affected by pumping.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167.30 ft (50.993 m) below land-surface datum, Apr. 29, 1980; lowest measured, 226.15 ft (68.931 m) below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 7	170.40	FEB 6	168.55	APR 29	167.30	JUN 16	167.39	SEP 2	167.32

LAMAR COUNTY

310935089252001. Local number, L63.
LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581 at elevated water tank.
Owner: Progress Water Association.
AQUIFER.--Sand of the Catahoula Sandstone of early Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 960 ft (293 m), cased to 910 ft (277 m).
DATUM.--Land-surface datum is about 370 ft (113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft (0.70 m) above land-surface datum.
PERIOD OF RECORD.--1968, September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft (67.1 m) below land-surface datum, 1968; lowest measured, 262.31ft (79.952 m) below land-surface datum, Aug. 19, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	256.72	JAN 30	255.06	MAY 30	256.32	AUG 19	262.31

LAUDERDALE COUNTY

321902088445701. Local number, M3.
LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi (6.4 km) southwest of center of Meridian on U.S. Highway 11 at fish hatchery.
Owner: U.S. Fish and Wildlife.
AQUIFER.--Sand of lower part of the Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in (25-20 cm), depth 729 ft (222 m), cased to 688 ft (210 m).
DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, at land-surface datum.
REMARKS.--Water levels affected by pumping.
PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.45 ft (0.442 m) above land-surface datum, Apr. 21, 1976; lowest measured, 34.60 ft (10.546 m) below land-surface datum, Dec. 17, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 7	0.60

LEAKE COUNTY

324427089295201. Local number, L1.
LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi (4.0 km) east of center of Carthage on State Highway 16 at McAfee.
Owner: C. Daugherty
AQUIFER.--Sand of middle part of Wilcox Group of Late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth reported 700 ft (213 m), screened 680-700 ft (207-213 m), cased to 680 ft (207 m).
DATUM.--Land-surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: top of 4-in (10 cm) casing, 2.50 ft (0.762 m) above land-surface datum.
PERIOD OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft (6.343 m) below land-surface datum, May 1, 1958; lowest measured, 39.40 ft (12.009 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 18	37.95

LEE COUNTY

341632088403001. Local number, H9.
LOCATION.--Lat 34°16'32", long 88°40'30", Hydrologic Unit 03160102, SW¼NE¼ sec.28, T.9 S., R.6 E., about 2.5 mi (4 km) east of Tupelo and north of U.S. Highway 78 on Saltillo road.
Owner: Pierce Grocery.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 335 ft (102 m).
DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, at land-surface datum
PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.7 m) below land-surface datum, Dec. 1, 1947; lowest measured 159.77 ft (48.698 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 15	147.90

341547088422901. Local number, H22.
LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi (0.8 km) northwest of center of Tupelo at Leake Street and Park Avenue
Owner: City of Tupelo.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 430 ft (131 m), cased to 370 ft (113 m).
DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, at land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft (36.6 m) below land-surface datum, 1954; lowest measured, 218.50 ft (66.599 m) below land-surface datum, Aug. 21, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 13	207.09

341939088423601. Local number, H35.
LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi (0.8 km) north of center of Tupelo on U.S. Highway 45 at Natchez Trace.
Owner: Natchez Trace Parkway.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (122 m), cased to 20 ft (6.1 m).
DATUM.--Land-surface datum is about 325 ft (99 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft (19.910 m) below land-surface datum, June 17, 1958; lowest measured, 140.24 ft (42.745 m) below land-surface datum, May 16, 1979.

No measurement made in water year 1980.

341536088421001. Local number, H42.
LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi (0.3 km) northeast of center of Tupelo at Spring Street and Sherwood at waterworks.
Owner: City of Tupelo.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (41-25 cm), depth 562 ft (171 m), cased to 510 ft (155 m).
DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in east side of pump base, 3.00 ft (0.91 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1966, October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft (49.987 m) below land-surface datum, Aug. 16, 1966; lowest measured, 260.18 ft (79.303 m) below land-surface datum, May 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 13	257.00

341235088431601. Local number, K29.
LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi (5.6 km) south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.
Owner: Barber Milk Company.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 491 ft (150 m), cased to 451 ft (137 m).
DATUM.--Land-surface datum is about 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft (0.24 m) above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft (54.01 m) below land-surface datum, Mar. 22, 1967; lowest measured, 279.25 ft (85.115 m) below land-surface datum, Aug. 29, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	272.58	APR 11	269.38	JUL 29	276.32

340522088371701. Local number, Ø14.
LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 612 ft (187 m), cased to 587 ft (179 m).
DATUM.--Land-surface datum is about 260 ft (79 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well base, 0.70 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--July 1940, September 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft (6.828 m) below land-surface datum, July 15, 1940; lowest measured, 59.18 ft (18.038 m) below land-surface datum, Apr. 24, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 24	59.18	JUL 30	59.08

340523088371701. Local number, Ø15.
LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (20 cm), depth 282 ft (86 m).
DATUM.--Land-surface datum is about 266 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in west side of pump base, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft (6.1 m) below land-surface datum, September 1956; lowest measured, 83.90 ft (25.573 m) below land-surface datum, July 30, 2980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUL 30	83.90

LEFLORE COUNTY

333840090175001. Local number, D8.
LOCATION.--Lat 33°38'40", long 90°17'50", Hydrologic Unit 08030207, SE¼NE¼ sec.33, T.21 N., R.1 W., 3 mi (4.8 km) east of center of Schlater at U.S. Highway 49 and State Highway 442.
Owner: Crossroads Gin.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled gin-supply artesian well, diameter 4 in (10 cm), depth 902 ft (275 m), cased to 882 ft (269 m).
DATUM.--Land-surface datum is about 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing cap, at land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.1 ft (2.47 m) above land-surface datum, Feb. 10, 1976; lowest measured, 3.4 ft (1.04 m) above land-surface datum, Oct. 25, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 25	3.4

333823090205101. Local number, D160.
LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi (0.2 km) east of center of Schlater on south side of State Highway 442.
Owner: Mrs. D. B. Jameson.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 816 ft (249 m), cased to 816 ft (249 m).
DATUM.--Land-surface datum is 132.05 ft (40.25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (2.54 cm) well (since Feb. 10, 1976). 2.30 ft (0.70 m) above land-surface datum.
PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.14 m) above land-surface datum, 1919; lowest measured, 7.64 ft (2.329 m) below land-surface datum, Oct. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 25	7.64

333159090113401. Local number, L79.
LOCATION.--Lat 33°31'59", long 90°11'34", Hydrologic Unit 08030205, SW¼SE¼ sec.4, T.19 N., R.1 E., at elevated tank on Parkes Street near center of Greenwood.
Owner: City of Greenwood.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (39 cm), depth 800 ft (244 m).
DATUM.--Land-surface datum is about 128 ft (39 m) National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in (5 cm) nipple off 16-in (39-cm) casing, 2.2 ft (0.67 m) above land-surface datum.
PERIOD OF RECORD.--April 1960, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft (1.37 m) above land-surface datum, Apr. 28, 1960; lowest measured, 21.10 ft (6.431 m) below land-surface datum Oct. 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 16	21.10

333135090124402. Local number, L111.
LOCATION.--Lat 33°31'35", long 90°12'44", Hydrologic Unit 08030205, SE¼SE¼ sec.8, T.19 N., R.1 E., at Henderson Generating Plant west of U.S. Highway 82, Greenwood.
Owner: City of Greenwood.
AQUIFER.--Mississippi River Valley Alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 95 ft (29 m).
DATUM.--Land-surface datum is about 95 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelter, 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.70 ft (10.272 m) below land-surface datum, Apr. 27, 1979; lowest measured 33.88 ft (10.327 m) below land-surface datum, Sept. 25, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
SEP 25	33.88

LEFLORE COUNTY--Continued

333050090112501. Local number, L150.
LOCATION.--Lat 33°30'50", long 90°11'25", Hydrologic Unit 08030205, NE¼NE¼ sec.16, T.19 N., R.1 E., at street department barn, Parkway and Johnson Streets, Greenwood.
Owner: City of Greenwood.
AQUIFER.--Sparta Sand of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 220 ft (67 m).
DATUM.--Land-surface datum is about 126 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--January 1964, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.25 ft (5.867 m) below land-surface datum, Apr. 27, 1979; lowest measured, 50 ft (15.2 m) below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
SEP 25	24.60

333100090105801. Local number, L152.
LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi (0.2 km) southwest of center of Greenwood at Cotton Street and Johnson Street.
Owner: City of Greenwood.
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 660 ft (201 m), reported screened 620-640 ft (189-195 m).
DATUM.--Land-surface datum is 133.98 ft (40.84 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in (1.3 cm) bushing in top of well, 2.80 ft (0.85 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft (6.07 m) above land-surface datum, Aug. 5, 1944; lowest measured, 19.3 ft (5.88 m) below land-surface datum, June 27, 1948.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
SEP 25	11.89

LINCOLN COUNTY

313731090370101. Local number, B37.
LOCATION.--Lat 31°37'31", long 90°37'01", Hydrologic Unit 03180005, NE¼NE¼ sec.32, T.8 N., R.6 E., 10 mi (16 km) west of Brookhaven.
Owner: Ronald Durr.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 152 ft (46 m).
DATUM.--Land-surface datum is about 434 ft (132 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, 0.70 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.50 ft (16.612 m) below land-surface datum, May 24, 1980; lowest measured 66 ft (20.1 m) below land-surface datum, Apr. 14, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 9	65.39	MAY 24	54.50	SEP 27	64.86

313504090261401. Local number, H10.
LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi (0.8 km) north of center of Brookhaven at Second Street and Enterprise Street.
Owner: Brookhaven Creamery.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 165 ft (50 m), cased to 115 ft (35 m).
DATUM.--Land-surface datum is about 485 ft (148 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent, 2.00 ft (0.61 m) above land-surface datum.
REMARKS.--Substitute for well H9 which was destroyed in 1976.
PERIOD OF RECORD.--1969, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft (18.453 m) below land-surface datum, Oct. 11, 1978; lowest measured, 72 ft (21.9 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 1	64.95

LOWNDES COUNTY

333845088275404. Local number, A14.
LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, NE¼SW¼ sec.19, T.16 S., R.18 W., 11 mi (18 km) northwest of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.
Owner: Columbus Air Base.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m), screened 426-456 ft (130-139 m).
DATUM.--Land-surface datum is about 188 ft (57 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--July 1973, 1975.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft (3.097 m) below land-surface datum, Jan. 28, 1975; lowest measured, 18.19 ft (5.544 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 7	18.02

333306088255601. Local number, C29.
LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi (8 km) north of center of Columbus on east side of U.S. Highway 45.
Owner: S. L. Thomason.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 200 ft (61 m).
DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.182 m) below land-surface datum, July 29, 1959; lowest measured, 36.74 ft (11.198 m) below land-surface datum, Oct. 2, 1978.

No measurement made in water year 1980.

333703088244801. Local number, C30.
LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi (16 km) north of center of Columbus on east side of U.S. Highway 45.
Owner: T. S. Hodges.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).
DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft (1.990 m) below land-surface datum, Mar. 13, 1959; lowest measured, 17.82 ft (5.432 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 13	13.54

332838088393401. Local number, E5.
LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi (1.9 km) southwest of center of Mayhew and 0.1 mi (0.2 km) southwest of intersection of U.S. Highways 45W and 82.
Owner: A. L. Echols.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in (12.7 cm), depth 365 ft (111 m), cased to 40 ft (12 m).
DATUM.--Land-surface datum is about 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft (12.939 m) below land-surface datum, Apr. 29, 1958; lowest measured, 95.64 ft (29.151 m) below land-surface datum, Apr. 7, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 7	95.64

332845088364901. Local number, E7.
LOCATION.--Lat 33°28'45", long 88°36'49", Hydrologic Unit 03160104, SE¼SW¼ sec.27, T.19 N., R.16 E., 1.3 mi (2.1 km) southeast of center of Mayhew on south side of U.S. Highway 82.
Owner: C. A. Pilkinton.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 800 ft (244 m), cased to 740 ft (226 m).
DATUM.--Land-surface datum is 191.99 ft (58.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--1940, March 1959 to November 1963, April 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.9 ft (8.50 m) above land-surface datum, 1940; lowest measured, 35.83 ft (10.921 m) below land-surface datum, Apr. 7, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO OCTOBER 1980

DATE	WATER LEVEL
APR 7	35.83

332945088225601. Local number, G33.
LOCATION.--Lat 33°29'45", long 88°22'56", Hydrologic Unit 03160105, NE¼SE¼ sec.14, T.18 S., R.18 W., 2 mi (3.2 km) east of center of Columbus at Propst Park on U.S. Highway 82.
Owner: American Legion Post.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 480 ft (146 m).
DATUM.--Land-surface datum is about 170 ft (52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 6.30 ft (1.92 m) above land-surface datum.
PERIOD OF RECORD.--April 1960 to April 1972, April 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.90 ft (3.932 m) above land-surface datum, Apr. 10, 1962; lowest measured, 8.38 ft (2.554 m) below land-surface datum, May 3, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 14	5.97

333052088234101. Local number, G185.
LOCATION.--Lat 33°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 2.3 mi (3.7 km) northeast of center of Columbus at city water treatment plant.
Owner: City of Columbus.
AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 878 ft (268 m).
DATUM.--Land-surface datum is about 178 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15 cm) casing at faucet, 2.50 ft (0.76 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft (5.578 m) above land-surface datum, Mar. 28, 1977; lowest water level measured 6.35 ft (1.935 m) below land-surface datum, Sept. 16, 1980.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	2.40	JAN 8	2.90	MAR 26	3.00	JUL 29	5.33
NOV 27	1.60	FEB 12	3.25	MAY 6	3.55	SEP 16	6.35

332517088235601. Local number, L22.
LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) southeast of center of Columbus near east bank of Tombigbee River.
Owner: Hooker Chemical Company.
AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,190 ft (363 m).
DATUM.--Land-surface datum is about 178 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (2.5 cm) bushing (since Apr. 13, 1976), 1.80 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.69 m) above land-surface datum, Apr. 12, 1961; lowest measured, 28.48 ft (8.681 m) below land-surface datum, May 14, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 14	28.48

LOWNDES COUNTY--Continued

332508088235409. Local number, L34.
LOCATION.--Lat 33°25'08", long 88°23'54", Hydrologic Unit 03160105, NW¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) south of center of Columbus near east bank of Tombigbee River.
Owner: Hooker Chemical Company.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 583 ft (178 m), reported screened 533-583 ft (162-178 m).
DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Air breather in pump base 2.50 ft (0.76 m) above land-surface datum.
REMARKS.--Water level effected by nearby pumping.
PERIOD OF RECORD.--July 1958, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19.2 m) below land-surface datum, Sept. 14, 1958; lowest measured 94.20 ft (28.712 m) below land-surface datum, Oct. 4, 1978.

No measurement made in water year 1980.

332142088380101. Local number, N29.
LOCATION.--Lat 33°21'42", long 88°38'01", Hydrologic Unit 03160106, SW¼SW¼ sec.4, T.17 N., R.16 E., 3 mi (4.8 km) south of Artesia and east of U.S. Highway 45.
Owner: United Cement Company.
AQUIFER.--Sand of Tombigbee member of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 570 ft (174 m), cased to 240 ft (73 m), open hole.
DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing, 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft (38.953 m) below land-surface datum, Oct. 5, 1978; lowest measured, 136.34 ft (41.556 m) below land-surface datum, May 13, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 13	136.34

MADISON COUNTY

322413090101701. Local number, V13.
LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi (1.6 km) west of center of Tougaloo at Tougaloo College.
Owner: Tougaloo College.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 800 ft (244 m).
DATUM.-Land-surface datum is about 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point: Middle of tee, 3.65 ft (1.11 m) above land-surface datum.
PERIOD OF RECORD.--August 1955, November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft (49.813 m) below land-surface datum, Aug. 18, 1955; lowest measured, 199.90 ft (60.930 m) below land-surface datum, Aug. 20, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 21	192.40	MAR 30	192.53	JUN 27	196.02	AUG 20	199.90
JAN 10	192.68	MAY 21	192.45	JUL 28	198.15		

322627090062401. Local number, W5.
LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi (1.6 km) southeast of center of Madison near Bruce Campbell Airport.
Owner: Willard F. Bond Home.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 500 ft (152 m).
DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 0.50 ft (0.15 m) or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft (34.406 m) below land-surface datum, Apr. 12, 1957; lowest measured, 148.06 ft (45.129 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 30	144.83

MARSHALL COUNTY

344618089272801. Local number, P72.
LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry Street.
Owner: Town of Holly Springs.
AQUIFER.--Sand of lower part of Wilcox Group of Late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 718 ft (219 m).
DATUM.--Land-surface datum is about 510 ft (155 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.88 ft (38.978 m) below land-surface datum, Apr. 24, 1977; lowest measured, 129.65 (39.517 m) below land-surface datum, July 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 6	129.20

MONROE COUNTY

335917088304401. Local number, C3.
LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi (0.5 km) northwest of center of Amory at 108th Street and 5th Avenue at waterworks.
Owner: Town of Amory.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 360 ft (110 m).
DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of ell on well head, 2.00 ft (0.61 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.40 ft (6.218 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.97 ft (9.744 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 23	26.58

334836088390201. Local number, Ø3.
LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi (3.2 km) northeast of center of Prairie.
Owner: John Judsen.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 451 ft (137 m).
DATUM.--Land-surface datum is about 315 ft (96 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--1942, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (34.7 m) below land-surface datum, 1942; lowest measured, 193.74 ft (59.052 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 24	186.01

334359088391601. Local number, Ø16.
LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 031601104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.
Owner: Muldon Grain Elevator Company (Formerly M and O Railroad)
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 m) depth 620 ft (189 m).
DATUM.--Land-surface datum is about 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15 cm) casing, 1.7 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--1901, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft (18.288 m) below land-surface datum, 1901; lowest measured, 157.90 ft (48.128 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 24	156.95

MONROE COUNTY--Continued

334836088333301. Local number, P22.
LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi (1.6 km) southwest of center of Aberdeen on State Highway 25.
Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 216 ft (66 m).
DATUM.--Land-surface datum is about 218 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.60 ft (0.79 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft (10.933 m) below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft (34.229 m) below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 24	87.76

334147088261501. Local number, Q18.
LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi (5 km) south of center of Hamilton on east side of U.S. Highway 45E.
Owner: T. G. Owen.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 390 ft (119 m).
DATUM.--Land-surface datum is about 216 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in (1.27 cm) plug in top of casing, 1.20 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft (7.9 m) below land-surface datum, May 1964; lowest measured, 59.18 ft (18.038 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 13	58.88

334531088271701. Local number, Q76.
LOCATION.--Lat 33°45'31", long 88°27'17", Hydrologic Unit 03160101, NW¼SW¼ sec.17, T.15 S., R.18 W., 1.5 mi (2.4 km) northwest of center of Hamilton on U.S. Highway 45E.
Owner: L. M. Tucker.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 220 ft (67 m).
DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in side of well at top of casing (since Apr. 12, 1976), 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--March 1959 to October 1978 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.41 ft (0.125 m) above land-surface datum, Mar. 13, 1959; lowest measured, 50.10 ft (15.270 m) below land-surface datum, Apr. 6, 1970.

Measurement discontinued.

MONTGOMERY COUNTY

332916089432002. Local number, F2.
LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi (0.8 km) northeast of center of Winona at waterworks.
Owner: Town of Winona.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 308 ft (94 m), screened 248-308 ft (76-94 m).
DATUM.--Land-surface datum is 373.14 ft (113.73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.70 ft (0.52 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft (28.866 m) below land-surface datum, Apr. 19, 1959; lowest measured, 120.67 ft (36.780 m) below land-surface datum, Aug. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 12	118.75

NEWTON COUNTY

322728089161201. Local number, E1.
LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., 0.8 m. (1.3 km) east of Post Office at Conehatta.
Owner: U.S. Department of Interior, Conehatta Indian School
AQUIFER.--Sparta Sand of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 351 ft (107 m).
DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 100 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1959, March 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft (49.7 m) below land-surface datum, Jan. 15, 1959; lowest measured 169.63 ft (51.703 m) below land-surface datum, Nov. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 4	169.63

322722089162002. Local number, E23.
LOCATION.--Lat 32°27'22", long 89°16'20", Hydrologic Unit 031800001, NW¼NW¼ sec.15, T.7 N., R.10 E., 08 mi (1.3 km) east of Post Office at Conehatta.
Owner: Conehatta Indian School
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled institutional artesian well, diameter 8 in (20 cm), depth 639 ft (195 m).
DATUM.--Land-surface datum is about 525 ft (160 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.
PERIOD OF RECORD.--December 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 221.80 ft (67.605 m) below land-surface datum, Dec. 4, 1979; lowest measured 221.80 ft (67.60 m) below land-surface datum, Dec. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 4	221.80

NOXUBEE COUNTY

330645088332801 (formerly 330650088341001). Local number, H115.
LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi (1.6 km) northwest of center of Macon on Pearl Street at railroad.
Owner: Town of Macon (formerly Borden Food Products Company).
AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (25 cm), depth 1,807 ft (551 m), cased to 1,767 ft (539 m).
DATUM.--Land-surface datum is about 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/4-in (0.64 cm) gate valve on discharge pipe, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft (10.12 m) above land-surface datum, Feb. 3, 1955; lowest measured, 5.74 ft (1.750 m) below land-surface datum, July 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUL 30	5.74

OKTIBBEHA COUNTY

332645088472001. Local number, G35.
LOCATION.--Lat 33°26'45", long 88°47'20", Hydrologic Unit 03160104, SW¼NW¼ sec.13, T.18 N., R.14 E., 2.5 mi (4.0 km) south of center of State College near Catalpa Creek.
Owner: Mississippi State University.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 10 in (25 cm), depth 1,378 ft (420 m), cased to 1,293 ft (394 m).
DATUM.--Land-surface datum is about 310 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump case, 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--October 1970, March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.00 ft (39.929 m) below land-surface datum, Oct. 16, 1970, Mar. 1972; lowest measured, 152.90 ft (46.604 m) below land-surface datum, Aug. 22, 1973.

Measurement discontinued.

332710088471701. Local number, G102.
LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi (0.3 km) east of center of State College at Walker Engineering Bldg.
Owner: Mississippi State University.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,008 ft (307 m), cased to 968 ft (295 m).
DATUM.--Land-surface datum is 380.95 ft (116.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft (0.71 m) above land-surface datum.
PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft (53.687 m) below land-surface datum, Apr. 3, 1941; lowest measured, 221.27 ft (67.443 m) below land-surface datum, July 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUL 30	221.27

PERRY COUNTY

310956088552101. Local number, M11.
LOCATION.--Lat 31°09'56", long 88°55'21", Hydrologic Unit 03170005, SW¼SW¼ sec.5, T.2 N., R.9 W., near center of Beaumont on third street.
Owner: Town of Beaumont.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 11 in (28 cm), depth 666 ft (203 m), reported screened 626-666 ft (191-203 m).
DATUM.--Land-surface datum is about 95 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet near pump base, 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.7 m) above land-surface datum, Aug. 1, 1965; lowest measured 24.25 ft (7.391 m) above land-surface datum, June 3, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 3	24.25

PIKE COUNTY

310833090272801. Local number, G2.
LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi (0.2 km) west of center of Magnolia and west of City Hall.
Owner: Town of Magnolia.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 432 ft (132 m).
DATUM.--Land-surface datum is about 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft (1.22 m) below land-surface datum, 1967; lowest measured, 18.45 ft (5.624 m) below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 19[illegible] TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	10.57

PRENTISS COUNTY

343921088334101. Local number, F2.
LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi (0.2 km) north of center of Booneville at Court Street and Main Street.
Owner: Town of Booneville.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 491 ft (150 m), cased to 406 ft (124 m).
DATUM.--Land-surface datum is about 525 ft (160 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on south side of pump base, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft (55.8 m) below land-surface datum, July 1950; lowest measured, 199.06 ft (60.673 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 9	197.75

343142088384401. Local number, J84.
LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi (2.7 km) north of center of Baldwyn on west side of U.S. Highway 45.
Owner: Baldwyn Implement Co.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 440 ft (134 m), cased to 158 ft (48 m).
DATUM.--Land-surface datum is about 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.50 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--July 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft (8.992 m) below land-surface datum, July 25, 1973; lowest measured, 45.55 ft (13.884 m) below land-surface datum, May 15, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 15	45.55

RANKIN COUNTY

321846089475101. Local number, J110.
LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi (0.3 km) east of center of Pelahatchie at Fire Station.
Owner: Town of Pelahatchie.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 563 ft (172 m), screened 503-563 ft (153-172 m).
DATUM.--Land-surface datum is about 365 ft (111 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cover plate, at land-surface datum.
PERIOD OF RECORD.--July 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft (30.974 m) below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft (40.221 m) below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 7	118.10

SCOTT COUNTY

322148089283201. Local number, L1.
LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi (0.2 km) west of center of Forest at Wade Street and Walker Street.
Owner: Town of Forest.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 360 ft (110 m), cased to 280 ft (85 m).
DATUM.--Land-surface datum is about 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--August 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.30 ft (29.657 m) below land-surface datum, May 7, 1980; lowest measured, 145.4 ft (44.32 m) below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAY 7	97.30

SHARKEY COUNTY

325839090501601. Local number, C43.
LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi (1.0 km) northwest of center of Anguilla on west side of Deer Creek.
Owner: M. C. Ewing.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,830 ft (558 m), cased to 1,790 ft (546 m).
DATUM.--Land-surface datum is about 106 ft (32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, 2.00 ft (0.61 m) or top of faucet at road, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft (30.48 m) above land-surface datum, July 23, 1973; lowest measured, 82.0 ft (24.99 m) above land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 15	88.0

324749090553101. Local number, G44.
LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi (0.5 km) south of center of Cary on east side of U.S. Highway 61.
Owner: Cary High School.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,149 ft (350 m).
DATUM.--Land-surface datum is about 102 ft (31 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft (7.28 m) above land-surface datum, Feb. 10, 1939; lowest measured, 21.58 ft (6.578 m) below land-surface datum, Nov. 20, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 20	21.58

SIMPSON COUNTY

315256089392401. Local number, L1.
LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6.4 km) east of center of Magee off Highway 28.
Owner: Okatoma Water Association.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,620 ft (494 m).
DATUM.--Land-surface datum is about 530 ft (162 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft (92.0 m) below land-surface datum, Jan. 31, 1969; lowest water level measured 328.15 ft (100.020 m) below land-surface datum, Apr. 17, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 17	328.15

315258089392201. Local number, L13.
LOCATION.--Lat 31°52'58" Long 89°39'22", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6.4 km) east of center of Magee off Highway 28.
Owner: Okatoma Water Association.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled public supply water-table well, diameter 18 in (46 cm), depth 200 ft (61 m), reported screened 150 to 200 ft (46-61 m).
DATUM.--Land-surface datum is about 515 ft (157 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of breather, 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--May 1972, May 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.25 ft (31.166 m) below land-surface datum, Apr. 17, 1980; lowest measured 110 ft (33.5 m) below land-surface datum, May 31, 1979; lowest measured 110 ft (34 m) below land-surface datum, May 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 17	102.25

SUNFLOWER COUNTY

334017090301801. Local number, H18.
LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi (2.4 km) northeast of center of Doddsville on county road.
Owner: B. D. McCarty.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,370 ft (418 m).
DATUM.--Land-surface datum is about 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 14, 1971; lowest measured, 2.80 ft (0.853 m) above land-surface datum, Oct. 25, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 25	2.80

332505090293001. Local number, R21.
LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 2.5 mi (4.0 km) southeast of center of Moorehead on county road.
Owner: Edgar Hobbs.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in (7.6 cm), depth 1,547 ft (472 m).
DATUM.--Land-surface datum is about 110 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--November 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft (12.65 m) above land-surface datum, Feb. 10, 1970; lowest measured, 18.70 ft (5.698 m) above land-surface datum, Nov. 27, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 27	18.70

TATE COUNTY

343723089592801. Local number, F22.
LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi (1.9 km) southeast of center of Senatobia at stand tank on Browns Ferry Rd.
Owner: Town of Senatobia.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in (12.7 cm), depth 1,085 ft (331 m), cased to 1,065 ft (325 m).
DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.
PERIOD OF RECORD.--October 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft (41.203 m) below land-surface datum, May 23, 1973; lowest measured, 145.80 ft (44.440 m) below land-surface datum, Nov. 9, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 9	145.80

343811089580401. Local number, G37a.
LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi (1.6 km) north of center of Senatobia at Chromcraft Plant.
Owner: Town of Senatobia.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,180 ft (360 m), cased to 1,160 ft (354 m).
DATUM.--Land-surface datum is about 250 ft (76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft (0.67 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft (16.106 m) below land-surface datum, June 6, 1973; lowest measured, 94.59 ft (28.831 m) below land-surface datum, June 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 9	84.05

TIPPAH COUNTY

345658088534101. Local number, B8.
LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi (0.3 km) north of center of Walnut at swimming pool and elevated tank.
Owner: Town of Walnut.
AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 147 ft (45 m), cased to 137 ft (42 m).
DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--June 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft (18.806 m) below land-surface datum, Feb. 24, 1975; lowest measured, 67.23 ft (20.492 m) below land-surface datum, Apr. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 15	66.52

TISHOMINGO COUNTY

345802088144901. Local number, B18.
LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi (4.5 km) north of center of Cross Roads on west side of State Highway 25.
Owner: Yellow Creek Port.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 378 ft (115 m), cased to 147 ft (45 m).
DATUM.--Land-surface datum is about 560 ft (171 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--October 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.31 ft (29.965 m) below land-surface datum, Mar. 11, 1980; lowest measured, 100.70 ft (30.693 m) below land-surface datum, Oct. 19, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	98.31

345603088170601. Local number, B19.
LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi (3.2 km) northwest of center of Cross Roads.
Owner: Yellow Creek Port.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 266 ft (81 m), cased to 90 ft (27 m).
DATUM.--Land-surface datum is about 467 ft (142 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--September 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.840 m) below land-surface datum, Apr. 12, 1978; lowest measured, 15.00 ft (4.572 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	12.86

345703088145601. Local number, B21.
LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi (2.4 km) north of center of Cross Roads on State Highway 25.
Owner: Yellow Creek Port.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 349 ft (106 m), cased to 76 ft (23 m).
DATUM.--Land-surface datum is about 455 ft (139 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--October 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.021 m) above land-surface datum, Apr. 10, 1979; lowest measured, 1.20 ft (0.366 m) below land-surface datum, Oct. 19, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	0.34

TISHOMINGO COUNTY--Continued

344834088111601. Local number, F1.
LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi (0.2 km) east of center of Iuka.
Owner: H. M. Biggs.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 113 ft (34 m), cased to 105 ft (32 m).
DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.
PERIOD OF RECORD.--1956, April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft (9.51 m) below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft (19.84 m) below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
MAR 11	35.60

343936088161901. Local number, J10.
LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi (0.3 km) south of center of Paden at Murphy Street and Lennon Avenue.
Owner: Irwin Schwabe Company (formerly Town of Paden).
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 181 ft (55 m).
DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90 cm) nipple at well head (since Mar. 17, 1976), 2.80 ft (0.85 m), or top of cap 1.7 ft (0.51 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft (5.852 m) above land-surface datum, Mar. 13, 1974; lowest measured, 0.50 ft (0.152 m) below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	0.84	MAR 12	0.61

TUNICA COUNTY

343117090253001. Local number, J101.
LOCATION.--Lat 34°31'17", long 90°25'30", Hydrologic Unit 08030204, NW¼NW¼ sec.36, T.6 S., R.12 W., 1.2 mi (1.9 km) east of center of Dundee on east side of U.S. Highway 61.
Owner: L. D. Powell.
AQUIFER.--Sand of lower part of Wilcox Group of Late Paleocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,796 ft (547 m), screened 1,766-1,796 ft (538-547 m).
DATUM.--Land-surface datum is 176 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6 cm) coupling, at land-surface datum.
PERIOD OF RECORD.--July 1954 to April 1967, June 1969 to April 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft (9.217 m) above land-surface datum, July 7, 1954; lowest measured, 3.30 ft (1.006 m) above land-surface datum, Apr. 26, 1978.

Measurement discontinued.

UNION COUNTY

343200089045901. Local number, B6.
LOCATION.--Lat 34°32'00", 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi (8 km) northwest of New Albany on north side of U.S. Highway 78.
Owner: Futorian Furniture Corp. (Frame plant).
AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in (15 cm), depth 500 ft (152 m).
DATUM.--Land-surface datum is about 385 ft (117 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing below pump base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--1955, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 25 ft (7.6 m) below land-surface datum, 1955; lowest water level measured, 71.20 ft (21.702 m) below land-surface datum, July 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUL 29	71.20

343418088484901. Local number, E22.
LOCATION.--Lat 34°34'18", long 088°48'49", Hydrologic Unit 08010207, NW¼SE¼ sec. 7, T.6 S., R.5 W., 6 mi (10 km) north of Mississippi State Highway 30.
Owner: Keownville Water Association.
AQUIFER>--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 312 ft (248 m), cased to 696 ft (212 m).
DATUM.--Land-surface datum is about 680 ft (207 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in top of 6-in (15-cm) casing, 1.00 ft (0.30 m) above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--July 1972, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 340 ft (103.6 m) below land-surface datum, July 5, 1972; lowest measured 451.50 ft (137.617 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUL 29	411.26

WARREN COUNTY

322310090530202. Local number, J4.
LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi (4.0 km) northwest of center of Vicksburg on north side of Industrial Rd.
Owner: City of Vicksburg.
AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 170 ft (52 m), cased to 150 ft (46 m).
DATUM.--Land-surface datum is about 90 ft (27 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft (5.26 m) above land-surface datum.
PERIOD OF RECORD.--October 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.183 m) below land-surface datum, Apr. 17, 1975; lowest measured, 46.70 ft (14.234 m) below land-surface datum, Aug. 21, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14	36.43	FEB 11	31.19	MAY 8	29.06	AUG 26	38.47	SEP 11	42.20

332432091031501. Local number, D16.
LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi (0.3 km) northeast of center of Greenville at Alexander Street and Illinois Central Railroad.
Owner: Itzig Company.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 517 ft (158 m).
DATUM.--Land-surface datum is about 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--November 1960, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.93 ft (30.763 m) below land-surface datum, Nov. 17, 1960; lowest measured, 107.87 ft (32.879 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 15	104.11

332228091045402. Local number, D33b.
LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi (6.4 km) southwest of center of Greenville in industrial park on Theobold Street.
Owner: U.S. Geological Survey.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,994 ft (608 m), cased to 1,984 ft (605 m).
DATUM.--Land-surface datum is 125.07 ft (38.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on 4-in (10-cm) cap on well, 2.62 ft (0.80 m) above land-surface datum.
PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.82 ft (15.795 m) above land-surface datum, Apr. 14, 1970; lowest measured, 34.62 ft (10.552 m) above land-surface datum, June 5, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
OCT 25	37.50

332007090525401. Local number, H14.
LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi (8 km) south of center of Leland and east of Deer Creek.
Owner: Louis Munn.
AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 102 ft (31 m), cased to 72 ft (22 m).
DATUM.--Land-surface datum is about 115 ft (35 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft (3.615 m) below land-surface datum, Oct. 14, 1958; lowest measured, 23.85 ft (7.269 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 15	21.49

331808090532901. Local number, H101.
LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi (0.2 km) southwest of center of Wilmot.
Owner: J. A. Aldridge.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,903 ft (580 m), cased to 1,895 ft (578 m).
DATUM.--Land-surface datum is about 120 ft (37 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 0.80 ft (0.24 m) above land-surface datum.
PERIOD OF RECORD.--February 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft (16.31 m) above land-surface datum, Dec. 20, 1954; lowest measured, 8.0 ft (2.44 m) above land-surface datum, Nov. 15, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 15	8.0

331120090413001. Local number, M44.
LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi (18 km) east of center of Hollandale on State Highway 12 at Sunflower River.
Owner: Dave Jones.
AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (41 cm), depth reported 110 ft (34 m).
DATUM.--Land-surface datum is about 105 ft (32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--May 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft (4.962 m) below land-surface datum, Apr. 25, 1975; lowest measured, 27.30 ft (8.321 m) below land-surface datum, Sept. 12, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
SEP 12	27.30

330227090592001. Local number, S4.
LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi (1.9 km) northeast of center of Hampton on south side of State Highway 436.
Owner: Agricultural Chemical Corp.
AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in (30 cm), depth 105 ft (32 m), screened 80-105 ft (24-32 m).
DATUM.--Land-surface datum is 111.24 ft (33.91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft (0.59 m) above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft (1.77 m) below land-surface datum, May 13, 1958; lowest measured, 20.00 ft (6.096 m) below land-surface datum, Aug. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---		14.60	---	10.80	8.40	11.48				---
10		15.00		---	---	---	8.72	---				---
15		---		---	---	---	8.20	9.76				---
20		---		---	---	10.90	10.37	8.10				---
25		---		---	---	---	10.20	8.15				12.03
EOM		---		---	11.1	---	9.27	8.36				---

WAYNE COUNTY

314115088392301. Local number, N151.
LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi (1.6 km) northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.
Owner: Town of Waynesboro.
AQUIFER.--Sand of Vicksburg Group of Oligocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in (46-20 cm), depth 82 ft (25 m), cased to 32 ft (10 m).
DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (2.5 cm) hole in breather pipe inside recorder shelter, 2.30 ft (0.70 m) above land-surface datum.
PERIOD OF RECORD.--April 1973, February 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.72 ft (8.449 m) below land-surface datum, Mar. 23, 1976; lowest measured, 35.38 ft (10.784 m) below land-surface datum, Jan. 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.39	33.47	32.53	31.61	31.21	32.02	30.89	29.80	30.69	32.62	34.04	34.68
10	33.54	33.36	32.67	31.50	30.96	31.86	30.74	30.48	30.94	33.14	34.22	34.80
15	33.57	33.45	32.48	31.15	30.94	32.53	30.01	30.66	31.28	33.83	33.38	35.10
20	33.57	33.42	32.27	31.20	30.98	32.01	29.97	29.90	31.73	34.00	34.53	35.28
25	33.55	33.02	31.93	30.91	31.41	32.09	30.06	29.37	31.67	34.15	34.75	35.38
EOM	33.50	32.94	31.61	31.05	31.47	31.33	29.67	29.86	31.99	34.05	34.66	35.14

WEBSTER COUNTY

332425089212001. Local number, M25.
LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW¼NW¼ sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, .2 mi (0.32 km) east of Tomnolem.
Owner: Town of Tomnolem.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled public supply well, diameter 10 in (25 cm), depth 359 ft (109 m).
DATUM.--Land-surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.80 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--December 1970, July 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft (1.22 m) below land-surface datum, Dec. 30, 1970; lowest water level measured, 30.34 ft (9.248 m) below land-surface datum, Dec. 12, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	30.34	APR 25	27.44

WILKINSON COUNTY

310415091042201. Local number, T101.
LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 222 ft (68 m), screened 162-222 ft (49-68 m), cased to 162 ft (49 m).
DATUM.--Land-surface datum is 353.5 ft (107.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft (13.11 m) below land-surface datum, May 5, 1942; lowest measured, 52.22 ft (15.917 m) below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	48.79

310415091042202. Local number, T102.
LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 415 ft (126 m), screened 355-415 ft (108-126 m), cased to 355 ft (108 m).
DATUM.--Land-surface datum is 355.1 ft (108.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft (0.45 m) above land-surface datum.
PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft (39.14 m) below land-surface datum, May 5, 1942; lowest measured, 167.27 ft (50.984 m) below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	167.27

WILKINSON COUNTY--Continued

310415091042203 (formerly 310413091042103). Local number, T103.
LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,685 ft (514 m), screened 1,625-1,685 ft (495-514 m), cased to 1,625 ft (495 m).
DATUM.--Land-surface datum is 356.4 ft (108.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft (0.43 m) above land-surface datum.
PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft (72.57 m) below land-surface datum, May 13, 1942; lowest measured, 275.62 ft (84.009 m) below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
JUN 18	275.62

YAZOO COUNTY

325905090192202. Local number, B102.
LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.
Owner: Town of Eden.
AQUIFER.--Sparta Sand of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 800 ft (244 m), cased to 770 ft (235 m).
DATUM.--Land-surface datum is 112.3 ft (34.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (9.62 m) above land-surface datum.
PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft (12.10 m) above land-surface datum, 1919; lowest measured, 13.17 ft (4.014 m) below land-surface datum, Nov. 13, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 13	13.17

325905090192201. Local number, B103.
LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.
Owner: Town of Eden.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of Middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2.5 in (10-6.4 cm), depth 1,735 ft (529 m), screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft (506-509, 515-518, 520-523 m).
DATUM.--Land-surface datum is about 112 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) cap, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft (43.65 m) above land-surface datum, January 1954; lowest measured, 88.5 ft (26.97 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
NOV 13	97.5

325100090250701. Local number, G6.
LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.
AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in (41-30 cm), depth 212 ft (65 m), cased to 152 ft (46 m).
DATUM.--Land-surface datum is about 100 ft (30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing or top of recorder house floor, 5.60 ft (1.71 m) above land-surface datum.
PERIOD OF RECORD.--September 1940, November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.303 m) below land-surface datum, Nov. 10, 1975; lowest measured, 35.68 ft (10.875 m) below land-surface datum, Apr. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	20.12	FEB 26	18.63	AUG 13	18.74	SEP 8	19.08

325016090251601. Local number, G126.
LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 801 ft (244 m), cased to 761 ft (232 m).
DATUM.--Land-surface datum is about 96 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.0 ft (1.22 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1939, January 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft (9.48 m) above land-surface datum, Jan. 17, 1939; lowest measured, 32.60 ft (9.936 m) below land-surface datum, Sept. 19, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	28.71	FEB 26	32.04	SEP 19	32.60

324936090423001. Local number, J128.
LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi (0.3 km) north of center of Holly Bluff at Holly Bluff School.
Owner: Holly Bluff Consolidated School.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in (10 cm), depth 980 ft (299 m), cased to 940 ft (287 m).
DATUM.--Land-surface datum is about 103 ft (31 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) tee, 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.-August 1939, March 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.80 m) above land-surface datum, Aug. 17, 1939; lowest measured, 17.15 ft (5.227 m) below land-surface datum, Sept. 9, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 8	14.85	SEP 9	17.15

321512090283301. Local number, K55.
LOCATION.--Lat 32°15'12", long 90°28'33", Hydrologic Unit 08060202, NW¼NE¼ sec.26, T.5 N., R.3 W., 2.2 mi (3.5 km) west of Raymond.
Owner: J. Eastwood.
AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 195 ft (59 m).
DATUM.--Land-surface datum is about 242 ft (74 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plastic well casing, 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--September 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.11 ft (18.626 m) below land-surface datum, Apr. 30, 1980; lowest measured, 61.13 ft (18.632 m) below land-surface datum, Sept. 24, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
APR 30	61.11

321521090245101. Local number, L5.
LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi (0.2 km) northwest of center of Raymond on Court Street east of Oak Street.
Owner: Town of Raymond.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,185 ft (361 m).
DATUM.--Land-surface datum is about 328 ft (100 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--September 1960, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft (58.430 m) below land-surface datum, Mar. 18, 1971; lowest measured, 210.09 ft (64.035 m) below land-surface datum, May 8, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
May 8	210.09

TISHOMINGO COUNTY

344616088211801. Local number D50. (USCE 11C)
LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 404 ft (123 m).
DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (0.79 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.65 ft (29.764 m) below land-surface datum, Mar. 9, 1976; lowest measured, 107.60 ft (32.797 m) below land-surface datum, July 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	104.59	APR 7	103.10	MAY 27	102.40	AUG 29	104.06

344617088211901. Local number D51. (USCE 11D)
LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 210 ft (64 m). Cased to 200 ft (61 m).
DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft (0.616 m) below land-surface datum, Mar. 9, 1976; lowest measured, 68.70 ft (20.940 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	3.69	APR 7	3.42	MAY 27	3.65	AUG 29	68.70

344638088200102. Local number D40. (USCE 12A)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 190 ft (58 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 21.98 ft (6.700 m) below land-surface datum, Mar. 22, 1973; lowest measured, 72.30 ft (22.037 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	27.33	MAR 11	26.13	MAY 27	25.85	AUG 29	33.80

344638088200103. Local number D41. (USCE 12B)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 150 ft (45.7 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.29 ft (6.794 m) below land-surface datum, Mar. 22, 1973; lowest measured, 57.53 ft (17.535 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	26.64	MAR 11	25.78	MAY 27	25.88	AUG 29	32.45

TISHOMINGO COUNTY--Continued

344638088200104. Local number D42. (USCE 12C)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.39 ft (6.825 m) below land-surface datum, Mar. 22, 1973; lowest measured, 43.91 ft (13.384 m) below land-surface datum, Nov. 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.44	27.80	27.50	25.62	25.20	25.33	24.74	25.18	25.87	27.23	28.43	
10	27.46	27.50	27.50	25.56	25.17	25.12	24.98	25.44	26.18	27.50	29.07	
15	27.57	27.50	27.50	25.38	25.13	25.08	24.76	25.71	26.53	27.79	29.35	
20	27.72	27.50	27.50	25.31	25.10	24.76	24.70	25.53	26.67	28.06	29.48	
25	27.80	27.50	25.35	25.13	25.18	24.54	24.85	25.36	26.86	28.05	29.48	
EOM	27.84	27.50	25.48	25.18	25.26	24.51	24.97	25.60	27.02	28.30	---	

344643088182102. Local number D37. (USCE 14A)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 184 ft (56 m).
DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.59 ft (20.601 m) below land-surface datum, Apr. 25, 1973; lowest measured, 76.51 ft (23.320 m) below land-surface datum, May 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	70.66	MAR 11	69.78	APR 16	70.70	MAY 27	69.97	AUG 29	74.62

344643088182103. Local number D43. (USCE 14B)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 154 ft (47 m).
DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.51 ft (20.577 m) below land-surface datum, Apr. 25, 1973; lowest measured, 78.00 ft (23.774 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	69.86	MAR 11	69.30	MAY 27	69.39	AUG 29	72.97

344643088182104. Local number D44. (USCE 14C)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 106 ft (32 m), cased to 100 ft (30 m).
DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft (20.004 m) below land-surface datum, Apr. 25, 1973; lowest measured, 72.45 ft (22.083 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	67.72	MAR 11	67.05	MAY 27	67.52	AUG 29	70.69

TISHOMINGO COUNTY--Continued

344634088173201. Local number E14. (USCE 15A)
LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 340 ft (104 m), cased to 320 ft (98 m).
DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft (23.518 m) below land-surface datum, Apr. 25, 1973; lowest measured, 89.10 ft (27.158 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	83.60	MAR 11	82.85	MAY 27	82.77	AUG 29	89.10

344634088173202. Local number E15. (USCE 15B)
LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 204 ft (62 m), cased to 184 ft (56 m).
DATUM.--Land-surface datum is about 540 ft (165 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft (15.569 m) below land-surface datum, Mar. 2, 1972; lowest measured, 59.60 ft (18.166 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	53.92	MAR 11	53.38	MAY 27	53.28	AUG 29	56.51

344634088173203. Local number E16. (USCE 15C)
LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 130 ft (39.6 m), cased to 120 ft (36.6 m).
DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft (13.917 m) below land-surface datum, Mar. 30, 1976; lowest measured, 53.49 ft (16.304 m) below land-surface datum, Feb. 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.15	48.31	47.86			---	46.87	46.98	47.33	47.96	48.83	50.26
10	48.19	48.10	47.84			---	46.91	47.08	47.47	48.11	49.17	50.25
15	48.29	48.17	47.76			47.20	46.77	47.20	47.64	48.26	49.52	50.24
20	48.33	48.14	47.73			47.06	46.85	47.09	47.66	48.42	49.88	50.48
25	48.36	47.93	---			46.88	46.85	47.04	47.72	48.42	50.20	50.68
EOM	48.26	47.80	---			46.76	46.85	47.21	47.80	48.64	50.24	50.75

TISHOMINGO COUNTY--Continued

344155088194801. Local number G4. (USCE 21A)
LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 278 ft (84.7 m), cased to 268 ft (81.7 m).
DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.95 ft (37.780 m) below land-surface datum, Apr. 25, 1973; lowest measured, 149.15 ft (45.461 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	127.15	APR 7	129.82	MAY 27	130.03	AUG 29	134.95

344155088194802. Local number G5. (USCE 21B)
LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 235 ft (71.6 m).
DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.28 ft (36.357 m) below land-surface datum, Dec. 19, 1979; lowest measured, 138.50 ft (42.215 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	119.28	APR 7	123.45	MAY 27	126.24	AUG 29	131.90

344218088184301. Local number G38. (USCE 22A)
LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 360 ft (109.7 m), cased to 320 ft (97.5 m).
DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft (46.061 m) below land-surface datum, Mar. 9, 1976; lowest measured, 189.00 ft (57.607 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	166.58	APR 7	168.90	MAY 27	169.24	AUG 29	182.34

344218088184302. Local number G40. (USCE 22B)
LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.9 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft (43.382 m) below land-surface datum, Mar. 9, 1976; lowest measured 172.10 ft (52.456 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	154.38	APR 7	155.70	MAY 27	157.17	AUG 29	167.35

TISHOMINGO COUNTY--Continued

344230088173401. Local number G20. (USCE 23C)
LOCATION.--Lat 34°43'30", long 88°17'34", Hydrologic Unit 03060101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 330 ft (100.6 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.27 ft (25.686 m) below land-surface datum, Apr. 25, 1973; lowest measured, 186.30 ft (56.784 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	120.31	APR 10	124.97	MAY 27	138.97	AUG 29	186.30

344230088173402. Local number G33. (USCE 23D)
LOCATION.--Lat 34°42'30", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).
DATUM.--Land-surface datum is about 590 ft (179.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.95 ft (26.502 m) below land-surface datum, Apr. 25, 1973; lowest measured, 146.47 ft (44.644 m) below land-surface datum, Sept. 25, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	121.15	122.50					135.89	---	---	---	145.07	
10	121.52	122.58					136.20	---	---	---	145.40	
15	121.66	122.79					134.60	136.29	---	---	---	145.65
20	121.56	122.84					134.60	136.60	---	---	---	146.18
25	121.99	122.89					134.72	136.60	---	---	---	146.47
EOM	122.12	---					135.47	---	---	---	144.75	---

344231088173401. Local number G34. (USCE 23E)
LOCATION.--Lat 34°42'31", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 92 ft (28.0 m), cased to 87 ft (26.5 m).
DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.84 ft (19.458 m) below land-surface datum, June 9, 1976; lowest measured, 80.77 ft (24.619 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	76.15	APR 10	75.91	MAY 27	75.76	AUG 29	76.27

TISHOMINGO COUNTY--Continued

344228088173901. Local number G23. (USCE 23G)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).
DATUM.--Land-surface datum is about 601 ft (183.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--January 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.63 ft (29.453 m) below land-surface datum, Apr. 25, 1973; lowest measured, 187.60 ft (57.101 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	131.56	APR 10	131.06	MAY 27	147.37	AUG 29	187.60

344232088173201. Local number G27. (USCE 23I)
LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 492 ft (150 m), cased to 452 ft (137.8 m).
DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.54 ft (54.114 m) below land-surface datum, Apr. 25, 1973; lowest measured, 187.80 ft (57.241 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	186.80	APR 10	185.60	MAY 27	185.07	AUG 29	187.80

344232088173202. Local number G31. (USCE 23J)
LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 380 ft (115.8 m), cased to 360 ft (109.7 m).
DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--December 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.78 ft (24.927 m) below land-surface datum, Apr. 25, 1973; lowest measured, 176.05 ft (53.660 m) below land-surface datum, Feb. 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	115.40	APR 10	119.96	MAY 27	132.22	AUG 29	177.80

TISHOMINGO COUNTY--Continued

344234088153401. Local number G30. (USCE 23K)
LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 300 ft (91.4 m), cased to 200 ft (61 m).
DATUM.--Land-surface datum is about 559 ft (170.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--November 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.05 ft (16.170 m) below land-surface datum, Apr. 25, 1973; lowest measured, 154.55 ft (47.107 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	88.54	APR 10	93.62	MAY 27	108.84	AUG 29	154.55

344234088153402. Local number G32. (USCE 23L)
LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U. S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 126 ft (38.4 m), cased to 86 ft (26.2 m).
DATUM.--Land-surface datum is about 563 ft (171.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--December 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.16 ft (18.032 m) below land-surface datum, May 31, 1973; lowest measured, 119.68 ft (36.479 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	99.33	APR 10	110.38	MAY 27	112.77	AUG 29	119.68

344228088173902. Local number G41. (USCE 23N)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec. 30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 180 ft (54.9 m).
DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.13 ft (29.605 m) below land-surface datum, July 31, 1973; lowest measured, 146.18 ft (44.556 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	133.15	APR 10	139.77	MAY 27	141.42	AUG 29	146.18

344228088173903. Local number G42. (USCE 23O)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 60 ft (18.2 m), cased to 50 ft (15.2 m).
DATUM.--Land-surface datum is about 561 ft (171 m), National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft (12.536 m) below land-surface datum, Dec. 4, 1975; lowest measured, 56.49 ft (17.218 m) below land-surface datum, May 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	55.10	APR 10	55.46	MAY 27	56.49	AUG 29	55.08

TISHOMINGO COUNTY--Continued

344253088162802. Local number G15. (USCE 25A)
LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 235 ft (71.6 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft (28.154 m) below land-surface datum, June 25, 1975; lowest measured, 123.45 ft (37.628 m) below land-surface datum, Feb. 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	101.92	MAR 12	103.83	MAY 27	105.53	AUG 28	118.72

344253088162803. Local number G16. (USCE 25B)
LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 190 ft (57.9 m).
DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft (27.392 m) below land-surface datum, July 13, 1973; lowest measured, 104.40 ft (31.821 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	96.46	MAR 12	97.80	MAY 27	95.35	AUG 28	100.57

344302088153802. Local number G17. (USCE 26A)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 250 ft (76.2 m), cased to 210 ft (64 m).
DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft (12.071 m) below land-surface datum, Mar. 4, 1976; lowest measured, 56.35 ft (17.176 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	46.47	MAR 12	46.73	MAY 27	47.30	AUG 28	54.48

344302088153803. Local number G18. (USCE 26B)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 127 ft (38.7 m), cased to 122 ft (37.2 m).
DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.00 ft (11.887 m) below land-surface datum, Mar. 12, 1980; lowest measured 43.90 ft (13.381 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	39.43	MAR 12	39.00	MAY 27	39.09	AUG 28	42.58

TISHOMINGO COUNTY--Continued

344302088153804. Local number G19. (USCE 26C)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 72 ft (21.9 m), cased to 67 ft (20.4 m).
DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing 0.5 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft (10.732 m) below land-surface datum, Apr. 25, 1973; lowest measured, 41.90 ft (12.771 m) below land-surface datum, Jan. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	38.08	MAR 12	37.62	MAY 27	37.71	AUG 28	40.91

344017088180402. Local number J18. (USCE 31A)
LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 178 ft (54.3 m), cased to 158 ft (48.2 m).
DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft (5.136 m) below land-surface datum, May 23, 1974; lowest measured 44.18 ft (13.466 m) below land-surface datum, Jan. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	31.72	APR 7	31.46	MAY 27	31.35	AUG 29	33.90

344017088180403. Local number J19. (USCE 31B)
LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).
DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft (1.768 m) below land-surface datum, May 20, 1975; lowest measured, 9.96 ft (3.036 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.96	9.21	8.63	8.48	8.43	8.42	7.91	7.89	8.15	8.70		
10	9.07	8.88	8.79	8.52	8.25	8.17	7.91	7.95	8.25	8.80		
15	9.22	9.02	8.69	8.44	8.35	8.41	7.66	8.05	8.35	---		
20	9.19	9.03	8.62	8.42	8.19	8.01	7.76	7.83	8.43	---		
25	9.25	8.61	8.30	8.17	8.51	7.77	7.73	7.79	8.48	---		
EOM	9.06	8.61	8.33	8.45	8.43	7.67	7.73	8.07	8.56	---		

344041088172602. Local number J20. (USCE 32A)
LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 530 ft (161.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft (19.172 m) below land-surface datum, June 9, 1976; lowest measured, 89.72 ft (27.346 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 7	72.21	MAY 27	72.27	AUG 29	89.72

TISHOMINGO COUNTY--Continued

344041088172603. Local number J21. (USCE 32B)
LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 112 ft (34.1 m), cased to 102 ft (31.1 m).
DATUM.--Land-surface datum is about 530 ft (161.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft (18.693 m) below land-surface datum, Apr. 26, 1973; lowest measured, 106.69 ft (32.519 m) below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 7	88.00	MAY 27	88.35	AUG 29	73.42

344041088164401. Local number J8. (USCE 33A)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) southwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 172 ft (52.4 m), cased to 162 ft (49.4 m).
DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft (14.185 m) below land-surface datum, May 23, 1974; lowest measured, 74.63 ft (22.747 m) below land-surface datum, Aug. 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 7	64.01	MAY 27	64.11	AUG 29	65.71

344041088164402. Local number J16. (USCE 33B)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).
DATUM.--Land-surface datum is about 515 ft (150 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 mi (0.1 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft (15.219 m) below land-surface datum, May 23, 1974; lowest measured, 57.89 ft (17.645 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 7	56.98	MAY 27	57.15	AUG 29	57.89

344041088164403. Local number J17. (USCE 33C)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 212 ft (64.6 m), cased to 192 ft (58.5 m).
DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft (12.863 m) below land-surface datum, Apr. 9, 1974; lowest measured, 79.34 ft (24.183 m) below land-surface datum, Aug. 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 7	67.97	MAY 27	67.92	AUG 29	70.80

TISHOMINGO COUNTY--Continued

344053088161202. Local number J13. (USCE 34A)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 266 ft (81.1 m), cased to 256 ft (78 m).
DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft (25.045 m) below land-surface datum, Mar. 13, 1974; lowest measured 117.63 ft (35.854 m) below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---	104.36		---	103.91	104.02	104.14	105.03	106.16	
10			---	104.56		---	103.76	103.98	104.17	105.28	106.38	
15			---	104.72		104.66	103.68	---	104.22	105.47	106.68	
20			104.58	105.01		104.35	103.76	---	104.30	105.69	106.96	
25			104.34	104.81		104.08	103.89	---	104.49	105.71	---	
EOM			104.25	104.55		103.85	104.04	104.16	104.69	105.90	---	

344053088161203. Local number J14. (USCE 34B)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 134 ft (40.8 m), cased to 129 ft (39.3 m).
DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.65 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft (21.235 m) below land-surface datum, May 23, 1974; lowest measured, 74.13 ft (22.595 m) below land-surface datum, Oct. 17, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	72.13	MAR 12	74.04	MAY 27	70.71	AUG 29	71.32

344053088161204. Local number J15. (USCE 34C)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 100 ft (30.5 m), cased to 95 ft (29 m).
DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.42 ft (21.159 m) below land-surface datum, June 20, 1974; lowest measured, 75.22 ft (22.927 m) below land-surface datum, Oct. 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	71.50	MAR 12	70.73	MAY 27	69.99

TISHOMINGO COUNTY--Continued

344110088151002. Local number G13. (USCE 35A)
LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).
DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft (32.516 m) below land-surface datum, May 23, 1974; lowest measured, 130.29 ft (39.712 m) below land-surface datum, May 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	117.16	MAY 12	116.84	MAY 27	116.55	AUG 28	120.23

344110088151003. Local number G14. (USCE 35B)
LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sands of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 203 ft (61.9 m), cased to 198 ft (60.4 m).
DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft (29.938 m) below land-surface datum, Mar. 6, 1976; lowest measured, 101.97 ft (31.081 m) below land-surface datum, Nov. 3, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	99.16	MAR 12	98.60	MAY 27	98.36	AUG 28	99.18

343936088161901. Local number J10.
LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.
Owner: Irwin Schwabe Co. (Formerly Paden Water District)
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25.4 cm), depth 181 ft (55.2 m), cased to 1.65 ft (51.5 m).
DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.69 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft (5.852 m) above land-surface datum, Mar. 13, 1974; lowest measured, 0.46 ft (0.140 m) below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	0.84	MAY 27	1.25	AUG 29	0.46

343150088183702. Local number L31. (USCE 45A)
LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 92 ft (28 m), cased to 82 ft (25.0 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.62 ft (23.354 m) below land-surface datum, May 18, 1977; lowest measured, 80.39 ft (24.503 m) below land-surface datum, May 23, 1972.

Obstruction. No measurements made in water year 1980.

TISHOMINGO COUNTY--Continued

343150088183703. Local number L32. (USCE 45B)
LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 76 ft (23.2 m), cased to 66 ft (20.1 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.40 ft (15.972 m) below land-surface datum, Jan. 25, 1979; lowest measured, 56.26 ft (17.148 m) below land-surface datum, Oct. 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	54.26	MAR 12	53.80	MAY 27	52.79	AUG 28	53.62

342854088194101. Local number L29. (USCE 54A)
LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 27 ft (8.2 m), cased to 22 ft (6.7 m).
DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.9 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft (0.107 m) above land-surface datum, Apr. 25, 1973; lowest measured, 8.04 ft (2.450 m) below land-surface datum, Sept. 25, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.55	2.27	.78	.59	1.00	1.73		---	3.47	5.78	5.34	7.37
10	2.99	.54	1.44	.96	.27	---		---	4.10	6.07	5.81	7.58
15	3.30	1.38	1.03	1.12	.95	---		---	4.61	6.37	6.21	7.76
20	3.59	1.90	1.62	.63	.97	---		---	4.94	6.66	6.58	7.91
25	3.31	---	---	.42	1.59	---		---	5.20	3.01	6.88	8.04
EOM	2.61	---	.32	.37	1.85	---		2.60	5.48	4.52	7.16	8.03

342854088194702. Local number L33. (USCE 54B)
LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 12 ft (3.7 m).
DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft (0.061 m) above land-surface datum, Apr. 25, 1973; lowest measured, 7.85 ft (2.393 m) below land-surface datum, Oct. 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	1.44	MAR 5	1.40	MAY 27	1.49	AUG 28	7.22

TISHOMINGO COUNTY--Continued

342854088194103. Local number L34. (USCE 54C)
LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi (13.0 km) west of Golden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 13 ft (4 m), cased to 8 ft (2.4 m).
DATUM.--Land-surface datum is about 333 ft (101.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--June 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.62 ft (0.189 m) below land-surface datum, Mar. 9, 1976; lowest measured, 8.26 ft (2.518 m) below land-surface datum, Oct. 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	1.24	MAR 5	1.41	MAY 27	1.82	AUG 28	7.50

342844088184701. Local number L30. (USCE 55A)
LOCATION.--Lat 34°28'44", long 88°18'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi (11.3 km) west of Golden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 50 ft (15.2 m), cased to 45 ft (13.7 m).
DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest year level measured, 20.08 ft (6.120 m) below land-surface datum, Jan. 10, 1976; lowest measured, 22.83 ft (6.959 m) below land-surface datum, Oct. 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.51	21.37	20.94	20.99	20.96	21.00	20.84	20.91	21.36	21.95	22.02	22.54
10	21.59	20.99	21.13	21.04	20.76	20.75	20.86	21.09	21.59	22.01	22.08	22.60
15	21.59	21.19	21.02	21.01	20.87	20.90	20.60	21.21	21.73	22.11	22.19	22.63
20	21.78	21.26	21.13	20.96	20.77	20.56	20.70	20.86	21.74	22.20	22.27	22.69
25	21.65	20.72	20.83	20.76	21.13	20.57	20.81	20.78	21.75	21.94	22.46	22.61
EOM	21.31	20.90	20.90	20.96	21.09	20.56	20.74	21.16	21.82	21.95	22.41	22.22

PRENTISS COUNTY

343152088213002. Local number M21. (USCE 41A)
LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (25.7 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 226 ft (68.9 m), cased to 206 ft (62.8 m).
DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft (41.041 m) below land-surface datum, July 12, 1973; lowest measured, 146.13 ft (44.540 m) below land-surface datum, Sept. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	144.26	144.46	144.41	144.38	144.51	144.47	144.36	144.31	144.54	144.93	145.29	145.92
10	144.32	144.29	144.45	144.42	144.39	144.36	144.34	144.36	144.61	145.05	145.35	145.94
15	144.42	144.43	144.41	144.40	144.46	144.50	144.24	144.42	144.70	145.14	145.39	145.98
20	144.41	144.44	144.46	144.43	144.34	144.36	144.31	144.38	144.72	145.24	145.47	146.09
25	144.42	144.25	144.31	144.26	144.55	144.30	144.26	144.35	144.71	145.17	145.60	146.06
EOM	144.33	144.35	144.35	144.48	144.48	144.24	144.21	144.50	144.83	145.25	145.79	145.97

PRENTISS COUNTY--Continued

343152088213003. Local number M22. (USCE 41B)
LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (25.7 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 176 ft (53.6 m), cased to 166 ft (50.6 m).
DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.30 ft (21.732 m) below land-surface datum, June 19, 1980; lowest measured, 77.33 ft (23.570 m) below land-surface datum, Dec. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.32	73.68	73.49			---	---	---	71.42		---	72.20
10	73.43	73.68	73.67			---	---	---	71.33		---	72.22
15	73.58	73.76	73.62			73.31	---	---	71.34		---	72.25
20	73.41	73.72	---			72.83	---	---	71.41		---	72.40
25	73.50	73.68	---			72.83	---	---	---		---	72.47
EOM	73.48	73.73	---			72.64	---	71.52	---		72.08	72.39

343150088205801. Local number M26. (USCE 42A)
LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 69 ft (21 m), cased to 59 ft (18 m).
DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuing poing: Top of casing 2.7 ft (0.8 m).
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.09 ft (5.514 m) below land-surface datum, May 27, 1980; lowest measured, 22.43 ft (6.837 m) below land-surface datum, Nov. 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	20.90	MAR 12	20.62	MAY 27	18.09	AUG 28	20.12

343150088205802. Local number M27. (USCE 42B)
LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 49 ft (14.9 m), cased to 39 ft (11.9 m).
DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m).
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.38 ft (5.602 m) below land-surface datum, May 27, 1980; lowest measured, 22.47 ft (6.849 m) below land-surface datum, Nov. 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	20.59	MAR 12	21.18	MAY 27	18.38	AUG 28	20.13

343201088204701. Local number M23. (USCE 43A)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft (35.488 m) below land-surface datum, Apr. 25, 1973; lowest measured 125.69 ft (38.310 m) below land-surface datum, Mar. 12, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	124.70	MAR 12	125.69	MAY 27	123.62

PRENTISS COUNTY--Continued

343201088204702. Local number M18. (USCE 43B)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 120 ft (36.6 m), cased to 110 ft (33.5 m).
DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.38 ft (13.527 m) below land-surface datum, May 27, 1980; lowest measured, 52.20 ft (15.911 m) below land-surface datum, Dec. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	47.12	MAR 12	46.20	MAY 27	44.38	AUG 28	45.46

343201088204703. Local number M17. (USCE 43C)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).
DATUM.--Land-surface datum is about 445 ft (135.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.83 ft (8.056 m) below land-surface datum, May 23, 1980; lowest measured, 34.46 ft (10.503 m) below land-surface datum, Dec. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.74	30.30	29.92			---	27.95	27.03	26.93	27.28	27.94	28.95
10	29.84	30.36	29.79			---	27.70	26.96	26.94	27.91	27.94	29.04
15	30.28	30.38	29.74			29.25	27.48	26.95	26.98	27.91	27.95	29.15
20	30.28	30.38	---			28.82	27.34	26.89	27.05	27.91	27.95	29.28
25	30.25	30.31	---			28.50	27.14	26.83	27.08	27.93	27.95	29.37
EOM	30.22	30.24	---			28.10	27.05	26.93	27.18	27.93	28.84	29.41

343201088194701. Local number M25. (USCE 43D)
LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 118 ft (36 m), cased to 108 ft (32.9 m).
DATUM.--Land-surface datum is about 460 ft (135.6 cm) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.04 ft (14.033 m) below land-surface datum, July 28, 1977; lowest measured, 50.47 ft (15.383 m) below land-surface datum, Nov. 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	48.98	MAR 12	48.22	MAY 27	46.17	AUG 28	47.40

PRENTISS COUNTY--Continued

342917088212701. Local number M20. (USCE 51A)
LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 15.5 mi (24.9 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 64 ft (19.5 m), cased to 59 ft (18 m).
DATUM.--Land-surface datum is about 356 ft (108.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft (9.217 m) below land-surface datum, Apr. 25, 1973; lowest measured, 34.49 ft (10.513 m) below land-surface datum, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	31.26	MAR 5	31.15	MAY 27	30.75	AUG 28	34.49

342911088205201. Local number M19. (USCE 52A)
LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼SE¼ sec.9. T.7 S., R.9 E., 15.6 mi (25.1 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 40 ft (12.2 m), cased to 35 ft (10.7 m).
DATUM.--Land-surface datum is about 324 ft (98.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft (0.061 m) above land-surface datum, Apr. 25, 1973; lowest measured, 8.20 ft (2.500 m) below land-surface datum, Oct. 20, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	3.63	MAR 5	3.31	MAY 27	3.81	AUG 28	7.70

342900088201601. Local number M18. (USCE 53A)
LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi (25.3 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 35 ft (10.7 m), cased to 30 ft (9.1 m).
DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.4 ft (1.0 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft (0.95 m) below land-surface datum, Apr. 25, 1973; lowest measured, 8.26 ft (2.518 m) below land-surface datum, Oct. 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	1.35	MAR 5	1.02	MAY 27	1.73	AUG 28	7.80

342215088275501. Local number D35. (USCE 61A)
LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 214 ft (65.2 m), cased to 204 ft (62.2 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.3 ft (1.3 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.03 ft (3.057 m) below land-surface datum, May 26, 1976; lowest measured, 20.93 ft (6.380 m) below land-surface datum, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	17.21	MAR 14	17.70	MAY 28	17.95	AUG 28	20.93

342215088275502. Local number D34. (USCE 61B)
LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.2 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft (1.231 m) below land-surface datum, Mar. 10, 1976; lowest measured, 7.87 ft (2.40 m) below land-surface datum, Oct. 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	5.37	MAR 14	4.52	MAY 28	4.54	AUG 28	7.50

342239088241001. Local number D24. (USCE 62A)
LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 144 ft (43.9 m), cased to 120 ft (36.6 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--June 1972 to August 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.77 ft (2.673 m) below land-surface datum, Jan. 12, 1976; lowest measured, 21.45 ft (6.538 m) below land-surface datum, Aug. 31, 1978.

Well destroyed.

342239088241002. Local number D25. (USCE 62B)
LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 60 ft (18.3 m), cased to 48 ft (14.6 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--June 1972 to August 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft (8.260 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.75 ft (9.677 m) below land-surface datum, Aug. 5, 1972.

Well destroyed.

ITAWAMBA COUNTY--Continued

342239088241003. Local number D26. (USCE 62C)
LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 m) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 34 ft (10.4 cm), cased to 29 ft (8.8 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to December 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft (8.260 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.74 ft (9.674 m) below land-surface datum, Aug. 31, 1978.

Well destroyed.

342241088235701. Local number D27. (USCE 63A)
LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).
DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.2 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.17 ft (4.929 m) above land-surface datum, May 17, 1979; lowest measured, 3.20 ft (0.075 m) above land-surface datum, May 28, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	9.81	MAR 14	8.81	MAY 28	3.20

342241088235702. Local number D23. (USCE 63B)
LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 150 ft (45.7 m), cased to 90 ft (27.4 m).
DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.65 ft (1.1 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.730 m) above land-surface datum, Mar. 10, 1976; lowest measured, 5.23 ft (1.594 m) above land-surface datum, Oct. 26, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL
DEC 19	7.85

342241088235703. Local number D28. (USCE 63C)
LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 m), depth 25 ft (7.6 m), cased to 20 ft (6.1 m).
DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.4 ft (0.122 m) above land-surface datum, March 10, 1976; lowest measured, 5.48 ft (1.670 m) below land-surface datum, Aug. 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	1.37	MAR 14	1.35	MAY 28	1.96

ITAWAMBA COUNTY--Continued

342245088232501. Local number E6. (USCE 64A)
LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 106 ft (32.2 m), cased to 66 ft (20.1 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.2 ft (1 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 16.0 ft (4.877 m) above land-surface datum, Sept. 24, 1975; lowest measured 2.52 ft (0.768 m) above land-surface datum, May 27, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	8.50	MAR 13	7.11	MAY 27	2.52	AUG 27	2.55

342245088232502. Local number E4. (USCE 64B)
LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11.3 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 40 ft (12.2 m), cased to 30 ft (9.1 m).
DATUM.--Land-surface datum is about 300 ft (94.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.4 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.22 ft (0.067 m) above land-surface datum, Nov. 2, 1979; lowest measured, 11.48 ft (3.499 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
											---	1.17
5	.43	.31									---	1.08
10	.51	---									---	1.30
15	.68	---									---	1.35
20	.74	---									---	1.21
25	.62	---									1.07	0.49
EOM	.32	---										

342301088230101. Local number E5. (USCE 65A)
LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi (11.4 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 130 ft (39.6 m), cased to 110 ft (33.5 m).
DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft (1.7 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.71 ft (0.216 m) above land-surface datum, Nov. 26, 1979; lowest measured, 5.48 ft (1.670 m) below land-surface datum, Aug. 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.81	1.01	.91	1.71		---	1.72	1.81	4.91		---	5.07
10	.82	1.05	1.03	1.72		---	1.78	3.00	5.11		---	4.95
15	.91	1.11	1.07	1.95		1.91	1.59	---	5.12		---	4.92
20	.92	1.18	1.51	1.95		1.59	1.65	---	5.08		---	4.93
25	.96	1.10	1.43	1.94		1.52	1.71	---	4.84		---	4.80
EOM	.96	.91	1.51	1.94		1.54	1.72	4.71	---		5.17	4.50

ITAWAMBA COUNTY--Continued

341610088264801. Local number G65. (USCE 67A)
LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 179 ft (54.6 m), cased to 169 ft (51.5 m).
DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 2.63 ft (0.802 m) above land-surface datum, May 17, 1979; lowest measured, 18.1 ft (5.52 m) below land-surface datum, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	16.62	MAR 14	16.32	MAY 28	17.19	AUG 28	18.1

341610088264802. Local number G66. (USCE 67B)
LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 71 ft (21.6 m), cased to 61 ft (18.6 m).
DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft (3.176 m) below land-surface datum, May 17, 1979, lowest measured, 19.62 ft (5.980 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	15.40	MAR 14	13.35	MAY 28	15.37	AUG 28	19.46

341425088193101. Local number L15. (USCE 71A)
LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi (7.4 km) southwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
DATUM.--Land-surface datum is about 273 ft (83 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft (1.292 m) below land-surface datum, Mar. 10, 1976; lowest measured, 16.40 ft (4.999 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	12.82	APR 11	12.70	MAY 28	13.20	AUG 27	16.40

341235088233801. Local number L17. (USCE 72A)
LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian wells, diameter 4 in (10.2 cm), depth 21 ft (6.4 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.6 ft (1.4 m).
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft (0.914 m) above land-surface datum, Feb. 9, 1975; lowest measured, 5.01 ft (1.527 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 28	0.59	AUG 27	0.27

ITAWAMBA COUNTY--Continued

341235088232102. Local number L18. (USCE 73B)
LOCATION.--Lat 34°12'35", long 88°23'21", Hydrologic Unit 03160101, NW¼SE¼, sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 26 ft (7.1 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--June 1972 to August 1979 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.10 ft (0.335 m) above land-surface datum, Jan. 23, 1973; lowest measured 5.59 ft (1.704 m) below land-surface datum, Oct. 24, 1978.

Well destroyed.

341232088225302. Local number L14. (USCE 74A)
LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 150 ft (45.7 m), cased to 130 ft (39.6 m).
DATUM.--Land-surface datum is about 270 ft (82.3) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft (3.240 m) below land-surface datum, Mar. 14, 1975; lowest measured 22.33 ft (6.806 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	18.33	MAR 13	18.03	MAY 26	18.54	AUG 27	22.33

241232088225302. Local number L19. (USCE 74B)
LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Dug unused water table, diameter 24 in (61 cm), depth 16 ft (4.9 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m).
PERIOD OF RECORD.--January 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft (0.146 m) below land-surface datum, Jan. 23, 1973; lowest measured, 22.13 ft (6.745 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.82	18.60	17.83	18.24	18.30	---	17.45	18.29	19.03	20.53	21.35	
10	17.95	18.35	18.16	18.29	18.19	---	17.71	18.55	19.24	20.71	21.46	
15	18.19	18.18	18.27	18.28	18.26	18.19	17.23	18.81	19.62	20.94	21.65	
20	18.45	18.28	18.42	18.29	18.29	17.52	17.35	18.62	20.02	21.19	21.81	
25	18.67	17.38	17.90	17.96	18.62	17.21	18.01	18.52	20.17	21.22	22.03	
EOM	18.65	17.56	18.25	18.28	18.60	17.11	18.01	18.81	20.33	21.21	---	

ITAWAMBA COUNTY--Continued

341232088222801. Local number L16. (USCE 75A)
LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi (7.7 km) southeast of Fulton.
Owner: U.S. Army, Corps of Engineers
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 144 ft (43.9 m), cased to 124 ft (37.8 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft (6.437 m) below land-surface datum, Apr. 25, 1973; lowest measured, 31.90 ft (9.723 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	27.76	MAR 13	27.47	MAY 28	27.98	AUG 27	31.90

340544088255201. Local number N28. (USCE 81A)
LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 S., R.8 E., 12.3 mi (19.8 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 180 ft (54.9 m), cased to 170 ft (51.8 m).
DATUM.--Land-surface datum is about 246 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft (1.478 m) below land-surface datum, Mar. 10, 1976; lowest measured, 21.95 ft (6.690 m) below land-surface datum, Aug. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	21.19	MAY 28	20.20	AUG 27	21.73

341604088244602. Local number C68. (USCE 106A)
LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water table well, diameter 2 in (5.1 cm), depth 10 ft (3 m), cased to 5 ft (1.5 m).
DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.2 m) above land-surface datum.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft (0.369 m) above land-surface datum, June 8, 1978; lowest measured, 0.90 ft (0.274 m) above land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	0.62	MAY 26	0.55	AUG 27	-0.90

ITAWAMBA COUNTY--Continued

341604088244601. Local number C67. (USCE 106B)
LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 175 ft (53.3 m), cased to 165 ft (50.3 m).
DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.2 m) above land-surface datum.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft (2.490 m) below land-surface datum, June 8, 1978; lowest measured, 35.94 ft (10.955 m) below land-surface datum, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.81	27.42	---	29.66	29.39	29.98	29.48	29.85	33.48	34.73	---	34.81
10	25.63	27.92	---	30.35	30.98	29.64	29.90	30.06	33.01	34.73	---	34.27
15	27.57	28.23	---	30.35	31.51	30.49	29.66	31.57	34.71	34.73	---	34.54
20	28.77	---	29.89	30.68	30.76	30.13	29.99	32.30	34.71	---	---	34.37
25	27.13	---	29.37	30.04	31.23	30.07	30.53	32.15	34.71	---	---	34.00
EOM	26.58	---	29.65	30.09	29.97	29.79	---	33.17	34.73	---	35.18	33.29

MONROE COUNTY

340504088241101. Local number C51. (USCE 84A)
LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft (4.054 m) above land-surface datum, Mar. 10, 1976; lowest measured, 7.63 ft (2.326 m) below land-surface datum, Feb. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	3.75	MAR 13	3.67	MAY 28	1.60	AUG 27	4.40

340504088241102. Local number C52. (USCE 84B)
LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).
DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.2 ft (1 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft (3.493 m) above land-surface datum, Aug. 2, 1977; lowest measured, 12.42 ft (3.786 m) below land-surface datum, Aug. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	11.74	MAR 13	11.53	MAY 28	9.84	AUG 27	10.60

MONROE COUNTY--Continued

340504088241103. Local number C53. (USCE 84C)
LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (9.7 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 27 ft (8.2 m), cased to 7 ft (2.1 m).
DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft (0.235 m) above land-surface datum, Feb. 13, 1977; lowest measured, 9.03 ft (2.752 m) below land-surface datum, Aug. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	0.50	MAR 13	0.11	MAY 28	0.82	AUG 27	9.03

340454088250401. Local number C54. (USCE 85A)
LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 21 ft (6.4 m), cased to 11 ft (3.4 m).
DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (0.8 m).
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft (0.052 m) below land-surface datum, Jan. 23, 1973; lowest measured, 8.72 ft (2.658 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	1.58	MAR 13	0.62	MAY 28	1.70	AUG 27	7.77

340442088250101. Local number C55. (USCE 86A)
LOCATION.--Lat 34°04'42", long 88°25'01", Hydrologic Unit 03160101, NW¼SW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 10 ft (3 m).
DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft (0.244 m) below land-surface datum, Apr. 25, 1973; lowest measured, 8.26 ft (2.518 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	2.05	MAR 13	0.80	MAY 28	1.67	AUG 27	6.68

340426088245101. Local number C56. (USCE 87A)
LOCATION.--Lat 34°04'26", long 88°24'51", Hydrologic Unit 03160101, SE¼SW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).
DATUM.--Land-surface datum is about 236 ft (71.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.021 m) above land-surface datum, Feb. 15, 1977; lowest measured, 6.70 ft (2.042 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	-0.59	MAR 13	0.07	MAY 28	-0.97	AUG 27	-5.94

MONROE COUNTY--Continued

340409088243801. Local number C57. (USCE 89A)
LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 166 ft (50.6 m), cased to 146 ft (44.5 m).
DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft (0.451 m) above land-surface datum, Apr. 26, 1973; lowest measured, 33.78 ft (10.296 m) below land-surface datum, Aug. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	32.80	MAR 13	33.61	MAY 28	30.50	AUG 27	28.58

340409088243802. Local number C58. (USCE 89B)
LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Formation of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 45 ft (13.7 m), cased to 40 ft (12.2 m).
DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.99 ft (1.216 m) below land-surface datum, June 8, 1978; lowest measured, 10.03 ft (3.057 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	5.76	MAR 13	5.66	MAY 28	5.60	AUG 27	10.03

340056088283001. Local number C66. (USCE 94A)
LOCATION.--Lat 34°00'56", long 88°28'30", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).
DATUM.--Land-surface datum is about 217 ft (66.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.183 m) above land-surface datum, Apr. 10, 1974; lowest measured, 4.87 ft (1.484 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	2.24	MAR 12	1.08	MAY 26	1.58	AUG 27	4.87

340054088281801. Local number C59. (USCE 95A)
LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi (0.8 km) north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 166 ft (50.6 m), cased to 156 ft (47.5 m).
DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft (0.03 m) above land-surface datum, March 22, 1973; lowest measured, 15.07 ft (4.6 m) below land-surface datum, Sept. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.17	15.32	---			---	14.90	14.72	13.80	14.75	14.66	
10	15.28	15.12	---			---	14.92	14.84	13.95	14.44	14.74	
15	15.41	14.97	---			15.04	14.65	14.93	14.15	14.49	14.89	
20	15.52	14.82	14.93			14.76	14.67	14.58	14.35	14.62	15.02	
25	15.50	---	14.78			14.53	14.82	14.42	14.38	14.47	14.93	
EOM	15.44	---	---			14.49	14.70	13.71	14.58	14.51	15.71	

MONROE COUNTY--Continued

340054088281802. Local number C67. (USCE 95B)
LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).
DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.38 ft (0.421 m) below land-surface datum, Mar. 31, 1976; lowest measured, 9.97 ft (3.039 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---	1.77	1.63			---	5.25	6.97	8.69	
10			---	1.84	1.40			---	6.01	7.39	9.10	
15			---	1.77	1.48			---	6.59	7.87	9.37	
20			1.94	1.73	1.61			---	6.52	8.30	9.63	
25			1.73	1.64	---			---	6.03	8.49	9.90	
EOM			1.78	1.52	---			4.27	6.30	8.88	---	

340018088270701. Local number C60. (USCE 96A)
LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi (1.3 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 164 ft (50 m), cased to 154 ft (46.9 m).
DATUM.--Land-surface datum is about 253 ft (77.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.2 m).
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft (6.376 m) below land-surface datum, Apr. 26, 1973; lowest measured, 35.27 ft (10.750 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	34.51	MAR 13	34.04	MAY 26	33.44	AUG 27	35.27

340018088270702. Local number C70. (USCE 96B)
LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi (0.8 km) north of Amory.
Owner: Irma Tubbs.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in (61 cm), depth 16 ft (4.9 m).
DATUM.--Land-surface datum is about 257 ft (78.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.640 m) below land-surface datum, Apr. 14, 1980; lowest measured, 12.10 ft (3.688 m) below land-surface datum, Nov. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.94	6.97	3.51	3.44	3.43	4.02	3.40	4.35	5.25	6.97	8.69	---
10	7.38	5.48	3.91	3.62	2.78	3.12	4.00	5.07	6.01	7.39	9.10	---
15	7.63	4.50	3.49	3.39	3.27	3.06	2.95	5.53	6.59	7.87	9.37	---
20	7.86	4.70	3.76	3.22	3.44	2.63	3.09	4.02	6.52	8.30	9.63	---
25	8.03	2.83	3.26	2.99	3.80	2.72	3.82	3.63	6.03	8.49	9.90	---
EOM	8.01	3.08	3.52	2.98	4.02	2.72	3.70	4.27	6.30	8.88	---	9.32

MONROE COUNTY--Continued

335902088314501. Local number C80. (USCE TTM 6A)
LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2.0 mi (3.2 km) west of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Tombigbee Sand Member of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 65 ft (19.8 m), cased to 55 ft (16.8 m).
DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft (1.603 m) below land-surface datum, Mar. 10, 1976; lowest measured 11.13 ft (3.392 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	7.70	MAR 12	5.36	AUG 27	10.50

335902088314502. Local number C81. (USCE TTM 6B)
LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2.0 mi (3.2 km) west of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 38 ft (11.6 m), cased to 28 ft (8.5 m).
DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft (1.494 m) below land-surface datum, Mar. 10, 1976; lowest measured, 10.76 ft (3.280 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	7.15	MAR 12	4.90	MAY 26	6.23	AUG 27	9.89

335445088312501. Local number H17. (USCE TTM 5A)
LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.87 ft (2.094 m) below land-surface datum, Mar. 12, 1980; lowest measurement 15.15 ft (4.618 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	9.22	MAR 12	6.87	MAY 26	8.23	AUG 27	13.35

335445088312502. Local number H18. (USCE TTM 5B)
LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.70 ft (2.042 m) below land-surface datum, Mar. 10, 1976; lowest measured, 13.80 ft (4.206 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	8.99	MAR 12	6.76	MAY 26	8.60	AUG 27	12.54

MONROE COUNTY--Continued

335117088332801. Local number L63. (USCE 101A)
LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).
DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.60 ft (0.49 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft (3.633 m) below land-surface datum, Mar. 22, 1973; lowest measured, 25.28 ft (7.7053 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	19.70	MAR 12	15.90	MAY 26	17.24	AUG 27	23.36

335117088332802. Local number L69. (USCE 101B)
LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 15 ft (4.6 m).
DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft (0.625 m) below land-surface datum, May 30, 1973; lowest measured, 11.28 ft (3.438 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	4.28	MAR 12	2.49	MAY 26	3.81	AUG 27	10.42

335118088323201. Local number L64. (USCE 102A)
LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 50 ft (15.2 m), cased to 40 ft (12.2 m).
DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.39 ft (0.119 m) above land-surface datum, Mar. 12, 1980; lowest measured, 11.46 ft (3.493 m) below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	2.45	MAR 12	0.39	MAY 26	2.60	AUG 27	6.74

335118088323202. Local number L68. (USCE 102B)
LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 30 ft (9.1 m), cased to 25 ft (7.6 m).
DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.98 ft (0.299 m) above land-surface datum, May 26, 1980; lowest measured, 8.80 ft (2.682 m) below land-surface datum, Dec. 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	1.12	MAR 12	1.18	MAY 26	0.98	AUG 27	4.92

335122088305201. Local number L65. (USCE 104A)
LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi (3.7 km) northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 55 ft (16.8 m), cased to 50 ft (15.2 m).
DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft (0.701 m) below land-surface datum, Apr. 8, 1974; lowest measured, 9.77 ft (2.978 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	2.95	MAY 26	3.01	AUG 27	8.70

335122088305202. Local number L67. (USCE 104B)
LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi (3.7 km) northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).
DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.86 ft (0.567 m) below land-surface datum, Mar. 10, 1976; lowest measured 9.24 ft (2.816 m) below land-surface datum, Oct. 20, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	2.54	MAY 26	2.93	AUG 27	8.20

335122088293001. Local number L62. (USCE 105A)
LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi (6.0 km) northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 64 ft (19.5 m), cased to 54 ft (16.4 m).
DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 6.20 ft (1.890 m) below land-surface datum, Mar. 22, 1973; lowest measured 14.65 ft (4.465 m) Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.97	12.35	---	9.10	8.21	8.54	7.86	---	9.69	10.23	11.91	13.22
10	12.05	12.32	---	9.04	8.20	8.20	7.81	---	10.20	10.78	12.20	13.41
15	12.21	11.46	---	8.71	8.20	7.86	7.82	---	10.67	11.19	12.46	13.57
20	12.32	11.38	9.43	8.41	8.21	7.86	7.82	---	10.29	11.62	12.69	13.72
25	12.40	---	9.31	8.20	8.47	7.86	7.81	---	9.88	11.58	12.93	13.82
EOM	12.44	---	9.13	8.21	8.54	7.86	7.81	9.11	9.82	11.64	13.08	13.49

334958088323602. Local number L77. (USCE AB10)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft (1.1 m) above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.17 ft (10.110 m) below land-surface datum, May 11, 1977; lowest measured, 56.68 ft (17.276 m) below land-surface datum, Jan. 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	64.88	MAR 11	38.93	MAY 26	39.18	AUG 26	43.74

MONROE COUNTY--Continued

334958088323601. Local number L75. (USCE AB11)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Formation of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 224 ft (68.3 m), cased to 204 ft (62.2 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft (1 m) above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.06 ft (7.334 m) below land-surface datum, May 23, 1979; lowest measured 27.43 ft (8.361 m) below land-surface datum, Aug. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---						---	24.42			---	26.69
10	---					23.75	---	24.46			---	26.94
15	---						---	24.50			---	26.97
20	---		26.59				---	24.12			---	27.01
25	---						24.40	24.19			26.68	26.93
EOM	---						24.24	---			26.69	26.45

334958088323603. Local number L78. (USCE AB12)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 3.0 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.94 ft (9.431 m) below land-surface datum, May 11, 1977; lowest measured, 52.09 ft (15.877 m) below land-surface datum, Jan. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.39		---				---	32.78			---	
10	46.39		---				---	34.35			---	
15	46.41		---				---	34.76			---	
20	46.41		44.24				---	34.59			---	
25	47.43		44.44				35.63	34.93			40.35	
EOM	---		---				31.33	38.64			---	

334910088311501. Local number L73. (USCE TTM 4A)
LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 177 ft (53.9 m), cased to 167 ft (50.9 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.6 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.73 ft (3.880 m) below land-surface datum, Mar. 11, 1980; lowest measured, 33.46 ft (10.199 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	21.25	MAR 11	12.73	MAY 26	20.66	AUG 27	30.48

334910088311502. Local number L74. (USCE TTM 4B)
LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.6 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft (2.750 m) below land-surface datum, Mar. 11, 1976; lowest measured, 14.87 ft (4.532 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	9.36	MAR 11	9.03	MAY 26	9.63	AUG 27	13.02

LOWNDES COUNTY

333805088291001. Local number A33. (USCE TTM 3A)
LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16.1 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 78 ft (23.8 m).
DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft (0.387 m) below land-surface datum, June 9, 1978; lowest measured, 8.76 ft (2.661 m) below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	3.86	MAR 11	3.62	MAY 26	3.02	AUG 26	8.76

333805088291002. Local number A34. (USCE TTM 3B)
LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16.1 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 31 ft (9.4 m), cased to 21 ft (6.4 m).
DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.9 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.32 ft (0.402 m) below land-surface datum, June 9, 1978; lowest measured 8.80 ft (2.682 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	2.12	MAR 11	1.97	MAY 26	1.52	AUG 26	7.60

333355088282502. Local number C100. (USCE 114B)
LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 47 ft (14.3 m), cased to 37 ft (11.3 m).
DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft (0.250 m) above land-surface datum, Mar. 23, 1973; lowest measured, 10.80 ft (3.292 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	4.98	MAR 11	4.92	MAY 26	4.73	AUG 26	7.27

333355088282503. Local number C101. (USCE 114C)
LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 92 ft (28 m), cased to 82 ft (25 m).
DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft (0.180 m) below land-surface datum, Mar. 23, 1973; lowest measured, 11.05 ft (3.368 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	8.67	MAR 11	8.31	MAY 26	7.88	AUG 26	9.78

LOWNDES COUNTY--Continued

333354088270501. Local number C99. (USCE 115A)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7.0 mi (11.3 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 84 ft (25.6 m), cased to 74 ft (22.6 m).
DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m).
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft (0.192 m) below land-surface datum, Mar. 22, 1973; lowest measured, 6.83 ft (2.082 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	3.74	MAR 11	3.43	MAY 26	3.29	AUG 26	6.44

333354088270502. Local number C102. (USCE 115B)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7.0 mi (11.3 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).
DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft (0.104 m) below land-surface datum, Mar. 22, 1973; lowest measured 10.57 ft (3.222 m) below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	1.99	MAR 11	1.94	MAY 26	2.07	AUG 26	8.27

332935088282001. Local number F73. (USCE TTM 2A)
LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi (3.7 km) west of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 162 ft (49.4 m), cased to 152 ft (46.3 m).
DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.8 ft (1.8 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft (4.011 m) below land-surface datum, June 4, 1975; lowest measured, 27.64 ft (8.425 m) below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	25.88	MAR 10	23.49	MAY 26	24.45	AUG 26	26.18

332935088282002. Local number F74. (USCE TTM 2B)
LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi (3.7 km) west of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 19 ft (5.8 m), cased to 9 ft (2.7 m).
DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.6 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.841 m) below land-surface datum, May 17, 1979; lowest measured, 22.81 ft (6.953 m) below land-surface datum, Feb. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	14.94	MAR 10	14.20	MAY 26	12.85	AUG 26	16.75

LOWNDES COUNTY--Continued

331915088202001. Local number Q12. (USCE TTM 1A)
LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 141 ft (43 m), cased to 131 ft (39.9 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.13 ft (2.173 m) below land-surface datum, Aug. 26, 1980; lowest measured, 13.90 ft (4.237 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	12.06	MAR 11	7.78	MAY 26	7.42	AUG 26	7.13

331915088202002. Local number Q13. (USCE TTM 1B)
LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 24 ft (7.3 m), cased to 14 ft (4.3 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.6 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft (1.936 m) below land-surface datum, Jan. 31, 1979; lowest measured, 17.60 ft (5.365 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	12.07	MAR 11	10.23	MAY 26	6.98	AUG 26	12.54

CLAY COUNTY

333351088320301. Local number J97. (USCE 111A)
LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi (11.6 km) southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).
DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft (3.658 m) below land-surface datum, Mar. 22, 1973; lowest measured, 23.06 ft (7.029 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	21.40	MAR 11	20.93	MAY 26	20.31	AUG 26	22.68

333402088301001. Local number J98. (USCE 112A)
LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi (14.2 m) southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 58 ft (17.7 m), cased to 48 ft (14.6 m).
DATUM.--Land-surface datum is about 190 ft (57.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.7 ft (0.2 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.463 m) below land-surface datum, Apr. 22, 1973; lowest measured, 12.63 ft (3.850 m) below land-surface datum, Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.56	8.37	7.49	6.88	6.53	6.57	6.74	6.71	6.62	7.99	9.83	11.27
10	8.39	8.28	7.35	6.85	6.42	6.58	6.70	6.91	6.83	8.29	10.04	11.42
15	8.28	8.24	7.23	6.76	6.42	7.26	6.55	7.15	7.13	8.62	10.13	11.54
20	8.29	8.07	7.13	6.70	6.39	7.12	6.60	7.19	7.45	8.92	10.24	11.71
25	8.33	7.87	7.00	6.58	6.48	6.95	6.62	7.22	7.59	9.23	10.61	11.80
EOM	8.37	7.65	6.96	6.53	6.50	6.75	6.60	6.51	7.77	9.56	11.09	11.70

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Analyses of samples collected for the statewide program are given in the following table. Analyses of samples collected at additional wells in the Tennessee-Tombigbee Study Area are found in the table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi."

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	DEPTH TO BOT-TOM OF SAMPLE INTEP-VAL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)
			ADAMS						
313409091224401	C048 NATCHEZ	122MOCN	578	80-05-15	1945	--	--	550	6.6
			CLARKE						
320841088443301	B084 HARMONY RIDGE W A	124MUWX	374	79-11-07	1700	--	--	205	6.8
			FORREST						
310429089182202	K016 DOE MH-5A	124WLCX	3542	79-10-12	1115	--	--	77000	7.3
310429089182203	K017 DOE MH-5B	124SPRT	2526	80-03-12	1045	--	--	58200	7.6
310429089182204	K018 DOE MH-5C	124CKMN	2287	80-03-12	1300	--	--	27000	8.8
310429089182205	K019 DOE MH-5D	122CTHL	1540	79-10-25	1145	--	--	922	8.9
312451089184702	B116 DOE MH-7A	124WLCX	2673	80-03-13	1200	--	--	17200	8.9
312451089184703	B117 DOE MH-7B	124SPRT	1962	79-12-05	0915	--	--	17000	8.3
312451089184704	B118 DOE MH-7C	124CKMN	1656	80-03-13	1030	--	--	6460	8.6
312451089184705	B119 DOE MH-7D	122CTHL	800	80-01-03	1115	--	--	230	8.2
			FRANKLIN						
311701089204101	D101 BILLY MOORE	122HBRG	400	80-08-19	1630	--	--	100	6.3
			HINDS						
320418090180403	V082 N E COPIAH W A	124SPRT	1846	80-08-15	1145	--	--	380	9.2
321049090193801	R133 MIKE HURLEY	123FRHL	--	80-07-08	1630	--	--	604	8.8
321313090300901	P076 OAKLEY TRA SCHOOL	123FRHL	220	80-02-07	1500	--	--	632	8.5
321640090221801	L064 W R FREEMAN	123MSPG	160	80-02-15	1300	--	--	155	5.8
			JONES						
313140089080601	L051 JONES PERRY W A	122CTHL	813	79-11-01	1300	--	--	235	8.0
			LAUDERDALE						
321942088450401	M119 US FISH HATCHERY	124WLCXL	880	79-11-07	1015	--	--	240	6.8
			LOWNDES						
332202088271401	P018 WEYERHAEUSER CO	211COXR	1295	80-07-27	1500	--	--	120	6.0
			MARION						
310906089412401	P060 DOE MH-8WB	122HBRG	281	80-01-25	1000	--	--	170	6.5
310906089412402	P061 DOE MH-8A	124WLCX	3190	79-12-13	1245	--	--	59000	7.4
310906089412404	P063 DOE MH-8C	124CKMN	2501	80-01-22	1445	--	--	50000	7.5
312555089430001	D040 DOE MH-6WB	122HBRG	327	79-10-04	1315	--	--	60	6.5
312555089430002	D041 DOE MH-6A	124WLCX	3286	79-11-05	1045	--	--	18500	8.5
312555089430003	D042 DOE MH-6B	124SPRT	2756	79-11-01	1520	--	--	12400	8.2
312555089430004	D043 DOE MH-6C	124CKMN	2419	80-03-12	1630	--	--	5250	9.4
312555089430005	D044 DOE MH-6D	122CTHL	1395	80-01-07	1215	--	--	240	8.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

STATION NUMBER	DATE OF SAMPLE	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	DENSITY (GM/ML AT 20 C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
					ADAMS						
313409091224401	80-05-15	21.0	1	--	150	0	39	13	60	45	2.1
					CLARKE						
320841088443301	79-11-07	20.5	5	--	11	0	3.2	.7	45	87	5.9
					FORREST						
310429089182202	79-10-12	40.0	200	1.033	2700	2500	490	340	21000	97	178
310429089182203	80-03-12	24.0	5	1.014	1700	1600	290	220	14000	95	150
310429089182204	80-03-12	24.0	10	1.008	290	59	26	52	6000	97	156
310429089182205	79-10-25	30.0	35	1.127	6	0	1.4	.6	230	99	41
312451089184702	80-03-13	23.0	100	1.004	64	0	1.8	14	4100	99	226
312451089184703	79-12-05	21.0	70	1.004	180	0	34	23	4100	99	133
312451089184704	80-03-13	22.0	100	.999	33	0	4.2	5.3	1400	98	107
312451089184705	80-01-03	23.0	5	.999	10	0	3.0	.7	51	92	6.9
					FRANKLIN						
311701089204101	80-08-19	21.0	5	--	29	0	8.1	2.1	9.1	37	.7
					HINDS						
320418090180403	80-08-15	37.0	80	--	2	0	.5	.1	98	99	33
321049090193801	80-07-08	21.5	55	--	7	0	2.0	.5	150	97	25
321313090300901	80-02-07	19.5	50	--	8	0	2.2	.5	160	98	25
321640090221801	80-02-15	18.0	10	--	27	0	7.5	2.1	20	58	1.7
					JONES						
313140089080601	79-11-01	23.5	5	--	4	0	1.4	.2	54	95	11
					LAUDERDALE						
321942088450401	79-11-07	22.5	20	--	25	0	7.9	1.3	41	74	3.6
					LOWNDES						
332202088271401	80-07-27	23.0	0	--	39	0	11	2.9	3.3	14	.2
					MARION						
310906089412401	80-01-25	21.0	30	.996	55	0	17	3.0	15	36	.9
310906089412402	79-12-13	38.5	30	1.024	1400	1100	260	170	14000	95	165
310906089412404	80-01-22	32.0	5	1.020	1200	960	230	150	13000	96	164
312555089430001	79-10-04	21.0	5	.996	11	0	1.7	1.7	2.3	28	.3
312555089430002	79-11-05	21.0	55	1.005	130	0	21	18	4600	98	178
312555089430003	79-11-01	27.0	300	.998	79	0	13	11	2900	98	143
312555089430004	80-03-12	22.0	100	.999	9	0	1.9	1.0	1200	98	175
312555089430005	80-01-07	25.0	5	.996	7	0	2.5	.2	52	94	8.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980--Continued

STATION NUMBER	DATE OF SAMPLE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	BROMIDE DISSOLVED (MG/L AS BR)	IODIDE, DISSOLVED (MG/L AS I)
					ADAMS						
313409091224401	80-05-15	7.9	320	0	262	129	12	5.5	.1	--	--
					CLARKE						
320841088443301	79-11-07	3.0	110	0	90	28	12	2.7	.1	--	--
					FORREST						
310429089182202	79-10-12	71	300	0	250	24	--	31000	.4	140	8.2
310429089182203	80-03-12	79	77	0	63	3.1	91	22000	.4	69	7.1
310429089182204	80-03-12	49	250	15	230	.7	42	9500	2.2	40	2.2
310429089182205	79-10-25	2.8	590	20	517	1.3	3.2	8.0	4.7	.2	.01
312451089184702	80-03-13	23	1390	400	1810	4.4	36	5300	1.8	29	.97
312451089184703	79-12-05	30	600	0	490	4.8	--	6000	1.2	17	.55
312451089184704	80-03-13	23	1140	84	1080	5.3	10	1600	3.9	4.0	.62
312451089184705	80-01-03	2.2	140	0	110	1.4	11	2.8	.2	.0	.00
					FRANKLIN						
311701089204101	80-08-19	3.5	53	0	43	43	5.2	3.3	.1	--	--
					HINDS						
320418090180403	80-08-15	.5	260	--	213	.3	2.3	5.4	.4	--	--
321049090193801	80-07-08	2.0	360	0	295	.9	23	9.4	.4	--	--
321313090300901	80-02-07	2.1	380	4	320	2.0	21	10	1.0	--	--
321640090221801	80-02-15	3.3	69	0	57	175	4.4	11	.2	--	--
					JONES						
313140089080601	79-11-01	1.3	140	0	110	2.2	13	2.4	.2	--	--
					LAUDERDALE						
321942088450401	79-11-07	4.4	120	0	98	30	12	6.2	.1	--	--
					LOWNDES						
332202088271401	80-07-27	4.0	48	0	39	77	8.8	1.8	.2	--	--
					MARION						
310906089412401	80-01-25	2.4	89	0	73	45	2.3	10	.1	.0	.07
310906089412402	79-12-13	100	420	0	340	27	140	23000	.6	71	5.0
310906089412404	80-01-22	64	290	0	240	15	120	20000	16	50	11
312555089430001	79-10-04	1.4	25	0	21	13	.4	2.6	.0	.0	.00
312555089430002	79-11-05	27	1200	0	980	6.1	--	6000	1.6	65	1.4
312555089430003	79-11-01	20	1540	0	1260	17	28	3300	1.4	27	.65
312555089430004	80-03-12	34	1130	150	1180	.9	29	1100	4.7	4.5	.68
312555089430005	80-01-07	.8	140	4	120	.8	9.7	2.3	.2	.0	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980--Continued

STATION NUMBER	DATE OF SAMPLE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	BORON, DIS-SOLVED (UG/L AS B)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)
					ADAMS						
313409091224401	80-05-15	45	352	342	.01	.000	.01	--	950	460	--
					CLARKE						
320841088443301	79-11-07	42	159	163	--	--	--	--	260	30	--
					FORREST						
310429089182202	79-10-12	16	--	53200	--	--	.05	3200	3700	500	103000
310429089182203	80-03-12	1.1	39200	36900	--	--	.02	3300	310	510	51000
310429089182204	80-03-12	1.2	16200	15900	--	--	.02	3400	110	30	8700
310429089182205	79-10-25	13	567	573	--	--	.00	960	60	5	100
312451089184702	80-03-13	6.9	10700	10600	--	--	.04	3500	370	10	1700
312451089184703	79-12-05	5.9	9920	10500	--	--	.00	3000	1400	100	2500
312451089184704	80-03-13	19	3660	3620	--	--	.04	3200	360	70	660
312451089184705	80-01-03	38	173	178	--	--	.00	70	40	4	60
					FRANKLIN						
311701089204101	80-08-19	76	114	134	.00	.000	.00	--	270	10	--
					HINDS						
320418090180403	80-08-15	23	252	259	.01	.010	.02	--	30	10	--
321049090193801	80-07-08	15	367	381	.06	.000	.06	--	710	9	--
321313090300901	80-02-07	12	394	400	--	--	--	--	20	6	--
321640090221801	80-02-15	70	144	153	--	--	--	--	250	60	--
					JONES						
313140089080601	79-11-01	53	193	195	--	--	--	--	30	3	--
					LAUDERDALE						
321942088450401	79-11-07	17	150	152	--	--	--	--	2600	80	--
					LOWNDES						
332202088271401	80-07-27	10	67	73	.00	.000	.00	--	7200	160	--
					MARION						
310906089412401	80-01-25	63	140	157	--	--	.03	0	180	160	240
310906089412402	79-12-13	16	40400	38000	--	--	.01	3000	3100	190	40000
310906089412404	80-01-22	16	33900	33800	--	--	.04	3300	2800	100	3100
312555089430001	79-10-04	18	50	40	--	--	.01	60	20	20	10
312555089430002	79-11-05	13	11600	11400	--	--	.02	3300	7100	60	2800
312555089430003	79-11-01	14	7180	7080	--	--	.01	3200	350	20	1500
312555089430004	80-03-12	29	3140	3120	--	--	.02	3100	940	10	500
312555089430005	80-01-07	40	193	202	--	--	.14	70	140	7	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980--Continued

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)
			PEARL RIVER						
304820089281101	M032 CENTER W A	122HBRG	1076	80-01-30	1400	--	--	245	8.1
			PERRY						
310510089000302	L010 DOE MCCH-3A	124CKMN	3101	79-10-05	1245	--	--	200000	8.1
310510089000303	L011 DOE MCCH-3B	124SPRT	3490	79-10-22	1200	--	--	220000	8.4
310510089000304	L012 DOE MCCH-3C	122CTHL	1833	79-10-08	0945	--	--	150000	6.9
310858089000802	L006 DOE MCCG-1	221LUNN	1369	79-10-02	1045	--	--	22500	7.1
311017089044901	G028 GEORGE SOLOMON	122MOCN	580	79-11-08	1100	--	--	210	7.3
311256089024501	G027 OTTICE HINTON	122MOCN	628	79-11-16	1315	--	--	609	8.7
311516088585003	H027 DOE MH-4B	124SPRT	1965	80-03-11	1300	--	--	46500	7.7
311516088585004	H028 DOE MH-4C	124CKMN	1717	80-03-11	1230	--	--	39000	9.0
311516088585005	H029 DOE MH-4D	122CTHL	1110	80-03-11	1440	--	--	14600	9.0
311928088595002	E031 DOE MRIH-11A	124WLCX	4226	79-11-16	1045	--	--	130000	6.9
311928088595003	E032 DOE MRIH-11B	124WLCX	2555	79-11-20	1015	--	--	27000	7.4
311928088595004	E033 DOE MRIH-11C	124CKMN	1610	79-11-26	1400	--	--	11600	9.4
311928088595005	E034 DOE MRIH-11D	122CTHL	930	79-11-27	1315	--	--	15000	7.5
312054088560701	C040 RICHTON	122MOCN	660	79-10-18	1200	--	--	176	6.7
312055088560701	C015 RICHTON	122CTHL	736	79-10-18	1245	--	--	824	7.0
312146088573001	B023 BLACKMON	122MOCN	412	79-11-27	1200	--	--	242	8.0
312159088573201	B049 HEDGWOOD	122MOCN	325	79-11-27	0830	--	--	182	8.8
312220088581401	B055 DOE MRIG-9WS	122HBRG	378	80-02-02	1400	--	--	440	7.9
312220088581402	B056 DOE MRIG-9	221LUNN	757	79-12-04	1300	770	750	162000	6.4
			757	79-12-07	1415	750	559	14000	7.6
312408088523701	C061 N E PERRY W A	122MOCN	475	79-10-23	1730	--	--	60	6.1
312414088523901	C041 N E PERRY W A	122MOCN	520	79-10-23	1700	--	--	78	6.8
312457088571501	B057 DOE MRIG-10WS	122HBRG	290	80-02-05	1822	--	--	180	7.9
312457088571502	B058 DOE MRIG-10	124WLCX	2636	79-11-09	1830	--	--	20000	7.5
			QUITMAN						
342451090140201	C077 WALTER MAYO	124SPRT	--	80-07-31	1300	--	--	220	6.4
342908090125301	A029 BETHEL CHURCH	111ALVM	--	80-07-31	1430	--	--	463	6.9
			WARREN						
322022090464701	K029 MILLER CONST CO	124CCKF	--	80-07-31	1300	--	--	1140	8.7
322612090435901	G017 PENROD OIL CO	124CCKF	1176	80-06-16	1500	--	--	853	8.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980--Continued

STATION NUMBER	DATE OF SAMPLE	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	DENSITY (GM/ML AT 20 C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
					PEARL RIVER						
304820089281101	80-01-30	25.5	8	--	2	0	.8	.1	60	98	17
					PERRY						
310510089000302	79-10-05	29.0	10	1.122	2900	2900	410	440	73000	98	597
310510089000303	79-10-22	25.0	8	1.127	3500	3500	510	520	76000	98	566
310510089000304	79-10-08	30.0	10	1.082	1300	1100	290	150	54000	99	642
310858089000802	79-10-02	32.5	10	1.009	1700	1500	550	72	4600	86	49
311017089044901	79-11-08	19.5	2	.994	26	0	7.0	2.1	38	73	3.2
311256089024501	79-11-16	21.5	30	.996	3	0	.4	.5	149	99	37
311516088585003	80-03-11	22.0	10	1.016	1100	1000	200	150	11000	95	140
311516088585004	80-03-11	19.0	0	1.013	910	820	140	130	8900	95	130
311516088585005	80-03-11	21.5	5	1.002	120	0	10	22	3200	98	130
311928088595002	79-11-16	47.0	60	1.066	6700	6500	1500	620	39000	93	214
311928088595003	79-11-20	33.0	10	1.007	340	0	55	47	6400	99	153
311928088595004	79-11-26	20.0	200	1.001	130	0	37	9.1	2600	98	99
311928088595005	79-11-27	26.0	80	1.004	190	0	37	23	3800	99	121
312054088560701	79-10-18	23.0	10	.997	20	0	4.9	1.8	36	83	3.5
312055088560701	79-10-18	23.0	20	.997	40	0	13	1.8	160	91	11
312146088573001	79-11-27	19.0	5	.994	5	0	1.4	.3	52	96	10
312159088573201	79-11-27	17.0	5	.995	17	0	4.8	1.1	36	85	3.9
312220088581401	80-02-02	25.5	5	1.140	15	0	4.8	.7	96	94	11
312220088581402	79-12-04	27.0	500	1.196	3400	3000	1100	170	120000	99	890
	79-12-07	31.0	40	1.009	620	370	240	4.6	3000	91	53
312408088523701	79-10-23	22.0	15	.997	12	0	2.8	1.2	10	58	1.3
312414088523901	79-10-23	21.5	5	.996	12	0	2.9	1.2	9.5	66	1.2
312457088571501	80-02-05	24.0	5	.997	52	0	15	3.6	20	51	1.2
312457088571502	79-11-09	32.0	5	1.010	230	0	37	32	5300	98	154
					QUITMAN						
342451090140201	80-07-31	--	5	--	95	--	23	9.1	9.5	17	.4
342908090125301	80-07-31	18.0	0	--	240	--	55	24	9.1	8	.3
					WARREN						
322022090464701	80-07-31	30.5	200	--	3	0	.8	.3	320	99	77
322612090435901	80-06-16	29.0	50	--	2	0	.6	.2	200	99	57

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980--Continued

STATION NUMBER	DATE OF SAMPLE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	BROMIDE DISSOLVED (MG/L AS BR)	IODIDE, DISSOLVED (MG/L AS I)
					PEARL RIVER						
304820089281101	80-01-30	.5	140	0	115	1.8	11	2.1	.2	--	--
					PERRY						
310510089000302	79-10-05	260	78	0	64	1.0	2600	120000	.8	220	8.7
310510089000303	79-10-22	320	70	0	57	.4	1600	119000	.0	230	8.2
310510089000304	79-10-08	160	310	0	250	62	2300	73000	1.2	86	.86
310858089000802	79-10-02	19	260	0	210	33	2400	6700	1.3	13	.31
311017089044901	79-11-08	3.4	110	0	90	8.8	11	4.9	.1	.0	.07
311256089024501	79-11-16	1.1	300	10	260	1.0	1.2	48	1.1	.4	.01
311516088585003	80-03-11	74	170	0	139	5.4	75	17000	.6	51	3.9
311516088585004	80-03-11	65	110	0	90	.2	58	14000	1.8	36	3.8
311516088585005	80-03-11	2.3	750	95	773	1.5	20	4400	1.0	21	1.1
311928088595002	79-11-16	100	190	0	160	38	--	63000	.3	370	.57
311928088595003	79-11-20	36	1070	0	880	68	--	9100	.9	98	1.9
311928088595004	79-11-26	24	1080	9	900	.7	17	3300	4.9	11	.92
311928088595005	79-11-27	23	1580	0	1300	80	--	4700	1.6	13	.35
312054088560701	79-10-18	2.6	83	0	68	30	9.5	10	.1	.4	.00
312055088560701	79-10-18	2.6	130	0	110	23	20	180	.2	.4	.00
312146088573001	79-11-27	1.1	110	0	90	1.8	13	11	.1	.1	.00
312159088573201	79-11-27	1.6	100	0	82	.3	4.5	4.9	.1	.1	.01
312220088581401	80-02-02	1.9	180	0	150	3.6	5.7	54	.3	.1	.01
312220088581402	79-12-04	60	510	0	420	325	5890	185000	--	460	1.9
	79-12-07	6.7	300	0	250	12	650	4400	.0	.2	.16
312408088523701	79-10-23	2.8	20	0	16	25	8.7	3.3	.1	.0	.01
312414088523901	79-10-23	2.8	25	0	21	6.3	2.7	5.9	.1	.0	.01
312457088571501	80-02-05	2.9	92	0	75	1.8	7.2	9.6	.1	.0	.01
312457088571502	79-11-09	49	670	0	550	34	12	8200	1.6	20	1.4
					GUITMAN						
342451090140201	80-07-31	6.1	--	--	--	--	8.3	1.4	.1	--	--
342908090125301	80-07-31	1.9	--	--	--	--	2.7	5.3	.3	--	--
					WARREN						
322022090464701	80-07-31	1.6	760	2	627	2.4	3.2	21	2.1	--	--
322612090435901	80-06-16	1.3	500	0	410	1.3	11	22	1.4	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980--Continued

STATION NUMBER	DATE OF SAMPLE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	BORON, DIS-SOLVED (UG/L AS B)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)
					PEARL RIVER						
304820089281101	80-01-30	26	175	170	--	--	--	--	100	10	--
					PERRY						
310510089000302	79-10-05	3.9	195000	197000	--	--	.08	5000	2700	1000	68000
310510089000303	79-10-22	.8	206000	198000	--	--	.07	1000	2100	1600	84000
310510089000304	79-10-08	16	130000	130000	--	--	.05	2600	2800	200	1500
310858089000802	79-10-02	23	16500	14500	--	--	.04	2000	240	80	8500
311017089044901	79-11-08	22	153	143	--	--	.00	40	80	90	120
311256089024501	79-11-16	12	374	370	--	--	.00	600	20	3	40
311516088585003	80-03-11	4.8	30000	28700	--	--	.06	3300	220	180	24000
311516088585004	80-03-11	.2	24500	23400	--	--	.02	3200	230	460	19000
311516088585005	80-03-11	3.8	8240	8150	--	--	.02	3200	50	20	3500
311928088595002	79-11-16	15	107000	104000	--	--	.04	3400	18000	950	350000
311928088595003	79-11-20	19	17100	16300	--	--	.03	3100	990	40	8200
311928088595004	79-11-26	2.7	6570	6550	--	--	.01	3300	30	30	860
311928088595005	79-11-27	20	9920	9410	--	--	.02	3000	2400	20	3700
312054088560701	79-10-18	12	119	119	--	--	.00	70	540	20	140
312055088560701	79-10-18	12	462	457	--	--	.00	200	2000	120	260
312146088573001	79-11-27	7.6	149	141	--	--	.03	80	30	20	40
312159088573201	79-11-27	14	122	117	--	--	.07	50	30	9	100
312220088581401	80-02-02	12	272	265	--	--	.03	220	10	10	340
312220088581402	79-12-04	31	318000	312000	--	--	.55	1300	5500	10	30000
	79-12-07	14	8920	8470	--	--	.00	1100	250	30	270
312408088523701	79-10-23	27	66	68	--	--	.01	40	2500	50	40
312414088523901	79-10-23	25	59	63	--	--	.02	30	20	280	40
312457088571501	80-02-05	11	111	115	--	--	.09	--	10	100	180
312457088571502	79-11-09	23	14400	14000	--	--	.02	3500	1400	40	3700
					QUITMAN						
342451090140201	80-07-31	61	177	--	--	--	--	--	7300	130	--
342908090125301	80-07-31	32	267	--	--	--	--	--	4000	200	--
					WARREN						
322022090464701	80-07-31	14	760	739	.00	.020	.02	--	110	6	--
322612090435901	80-06-16	13	514	496	.06	.010	.07	--	60	3	--

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

Analyses of samples collected in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. This table includes analyses of samples collected from wells located in disposal areas consisting of excavated material from the Divide Cut Section of the Tenn-Tom Waterway. Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)
			ALCORN						
344608088244301	L041 USCE NW3-1	211GORD	429	80-07-15	--	810	80010	24	6.6
344608088244302	L042 USCE NW3-2	211GORD	389	80-07-15	--	810	80010	43	6.9
344608088244303	L043 USCE NW3-3	211EUTW	320	80-07-15	--	810	80010	43	7.0
344608088244304	L044 USCE NW3-4	211EUTW	270	80-07-15	--	810	80010	171	7.5
			ITAWAMBA						
341232088225301	L019 USCE 74B(THOMPSON)	112TRCS	150	80-04-24	1200	--	80010	93	6.4
341232088225302	L014 USCE 74A	211GORD	150	80-04-24	1100	--	80010	55	6.3
341610088264801	G065 USCE 67A	211GORD	179	80-04-22	0900	--	80010	148	6.5
341610088264802	G066 USCE 67B	211EUTW	71	80-04-22	0945	--	80010	248	6.6
341621088255001	G070 USCE GW104C	111ALVM	24	80-08-12	1030	--	80010	128	6.4
342241088235701	D027 USCE 63A	337FRPN	260	79-12-19	1050	--	1028	190	6.1
			260	80-05-28	0845	--	1028	--	6.1
342241088235702	D023 USCE 63B	211GORD	150	79-12-19	1045	--	1028	108	6.1
342245088232501	E006 USCE 64A	211GORD	106	79-12-19	1135	--	1028	115	5.8
			106	80-03-13	1655	--	1028	59	5.2
342301088230101	E005 USCE 65A	211GORD	130	80-04-22	1200	--	80010	40	6.4
			LOWNDES						
332935088282001	F073 USCE TTM2A	211EUTW	162	80-04-23	1115	--	80010	540	8.0
332935088282002	F074 USCE TTM2B	111ALVM	19	80-04-23	1100	--	80010	44	5.4
			MONROE						
334910088311501	L073 USCE TTM4A	211EUTW	177	80-04-23	1345	--	80010	195	7.1
334910088311502	L074 USCE TTM4B	111ALVM	26	80-04-23	1330	--	80010	85	5.4
335445088312501	H017 USCE TTM5A	211EUTW	90	80-04-23	1600	--	80010	108	7.3
335445088312502	H018 USCE TTM5B	111ALVM	26	80-04-23	1530	--	80010	74	5.1
340054088281801	C059 USCE 95A	211GORD	166	80-04-23	1830	--	80010	108	5.9
340056088283001	C066 USCE 94A	111ALVM	20	80-04-23	1730	--	80010	140	5.8
			PRENTISS						
342838088215001	M028 USCE GW123A	111ALVM	23	80-08-12	1400	--	80010	76	6.4
342917088212701	M020 USCE 51A	211GORD	64	80-04-22	1400	--	80010	56	6.5
343856088215501	H027 USCE SW3-1	211GORD	258	80-07-16	--	810	80010	143	7.2
343856088215502	H028 USCE SW3-2	211GORD	193	80-07-16	--	810	80010	138	8.8
343856088215503	H029 USCE SW3-3	211EUTW	132	80-07-16	--	810	80010	365	7.9
343949088335301	F011 BOONEVILLE	211EUTWL	486	80-04-09	1030	--	80010	250	7.5
344125088230801	D031 USCE MW2-1	211GORD	270	80-07-16	--	810	80010	268	8.2
344125088230802	D032 USCE MW2-2	211GORD	219	80-07-16	--	810	80010	150	7.6
344125088230803	D033 USCE MW2-3	211EUTW	180	80-07-16	--	810	80010	178	7.7
344251088323001	B034 THRASHER WA	211GORD	514	80-04-09	0900	--	80010	260	7.7

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	DATE OF SAMPLE	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT
					ALCORN						
344608088244301	80-07-15	--	80	7	0	--	--	1.9	.6	1.7	31
344608088244302	80-07-15	--	35	14	2	--	--	4.5	.6	2.1	22
344608088244303	80-07-15	--	45	17	1	--	--	5.9	.6	1.6	16
344608088244304	80-07-15	--	5	63	0	--	--	22	1.9	8.0	21
					ITAWAMBA						
341232088225301	80-04-24	13.5	50	24	0	.2	10	8.6	.6	5.6	30
341232088225302	80-04-24	17.0	0	26	0	.4	20	7.6	1.7	1.7	11
341610088264801	80-04-22	17.0	0	45	0	.3	15	14	2.4	12	35
341610088264802	80-04-22	17.0	5	120	0	1.9	94	39	5.0	1.4	2
341621088255001	80-08-12	17.5	5	38	2	--	--	11	2.6	7.2	28
342241088235701	79-12-19	17.0	--	--	--	--	--	--	--	--	--
	80-05-28	17.0	--	--	--	--	--	--	--	--	--
342241088235702	79-12-19	17.0	--	--	--	--	--	--	--	--	--
342245088232501	79-12-19	14.5	--	--	--	--	--	--	--	--	--
	80-03-13	16.0	--	--	--	--	--	--	--	--	--
342301088230101	80-04-22	17.0	0	16	3	.8	40	4.2	1.3	1.2	13
					LOWNDES						
332935088282001	80-04-23	18.0	0	32	0	--	--	9.2	2.2	110	86
332935088282002	80-04-23	16.0	5	13	5	.3	15	3.9	.8	3.3	33
					MONROE						
334910088311501	80-04-23	19.0	0	81	0	--	--	25	4.4	11	22
334910088311502	80-04-23	16.5	5	24	0	1.5	74	6.7	1.7	6.0	34
335445088312501	80-04-23	18.0	0	46	0	--	--	14	2.7	1.9	8
335445088312502	80-04-23	16.0	0	23	2	.1	5.0	3.9	3.2	2.2	16
340054088281801	80-04-23	18.0	0	36	2	.2	10	9.8	2.7	3.1	15
340056088283001	80-04-23	14.0	0	22	0	2.0	99	5.5	2.0	17	61
					PRENTISS						
342838088215001	80-08-12	17.5	80	28	0	--	--	7.6	2.1	4.2	23
342917088212701	80-04-22	16.0	0	25	0	.3	15	6.2	2.2	1.8	13
343856088215501	80-07-16	--	50	54	0	--	--	18	2.2	4.3	13
343856088215502	80-07-16	--	8	54	7	--	--	21	.3	3.4	11
343856088215503	80-07-16	--	5	91	0	--	--	35	.9	48	52
343949088335301	80-04-09	20.0	0	110	0	--	--	34	4.5	5.9	10
344125088230801	80-07-16	--	9	16	0	--	--	5.9	.3	49	79
344125088230802	80-07-16	--	40	47	0	--	--	15	2.4	11	32
344125088230803	80-07-16	--	1	40	0	--	--	20	2.5	13	30
344251088323001	80-04-09	21.0	0	110	0	--	--	36	5.5	7.5	12

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	DATE OF SAMPLE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
					ALCORN						
344608088244301	80-07-15	.3	.9	--	--	8	--	3.2	2.6	.1	12
344608088244302	80-07-15	.2	1.9	--	--	12	--	2.8	2.5	.1	13
344608088244303	80-07-15	.2	.7	--	--	16	--	2.8	2.4	.1	12
344608088244304	80-07-15	.4	3.5	--	--	65	--	17	3.1	.3	13
					ITAWAMBA						
341232088225301	80-04-24	.5	3.4	32	0	26	20	3.5	1.4	.0	9.9
341232088225302	80-04-24	.1	2.0	33	0	27	26	2.3	1.3	.2	8.9
341610088264801	80-04-22	.8	3.1	77	0	63	39	8.7	1.4	.2	9.1
341610088264802	80-04-22	.1	7.6	150	0	117	60	1.1	2.0	.0	16
341621088255001	80-05-12	.5	2.2	44	0	36	28	1.1	9.5	.1	15
342241088235701	79-12-19	--	--	--	--	--	--	--	--	--	--
	80-05-28	--	--	--	--	--	--	--	--	--	--
342241088235702	79-12-19	--	--	--	--	--	--	--	--	--	--
342245088232501	79-12-19	--	--	--	--	--	--	--	--	--	--
	80-03-13	--	--	--	--	--	--	--	--	--	--
342301088230101	80-04-22	.1	1.1	16	0	13	10	4.6	1.0	.1	8.7
					LOWNDES						
332935088282001	80-04-23	8.5	5.7	255	0	214	4.1	2.0	45	.6	8.0
332935088282002	80-04-23	.4	1.1	10	0	8	64	6.8	1.7	.0	13
					MONROE						
334910088311501	80-04-23	.5	3.8	110	0	90	14	2.1	4.2	.2	31
334910088311502	80-04-23	.5	1.3	31	0	25	197	1.2	3.2	.0	27
335445088312501	80-04-23	.1	1.9	56	0	46	4.5	4.2	1.1	.2	22
335445088312502	80-04-23	.2	1.2	6	0	5	76	1.5	3.9	.0	7.9
340054088281801	80-04-23	.2	3.2	41	0	34	83	5.5	4.5	.1	14
340056088283001	80-04-23	1.6	1.0	30	0	25	76	13	19	.1	19
					PRENTISS						
342838088215001	80-08-12	.3	2.0	41	--	34	26	3.1	2.2	.3	13
342917088212701	80-04-22	.2	1.4	32	0	26	16	1.8	1.4	.1	8.8
343856088215501	80-07-16	.3	5.6	--	--	60	--	8.5	4.0	.2	7.5
343856088215502	80-07-16	.2	5.4	--	--	47	--	20	1.6	1.3	53
343856088215503	80-07-16	2.2	4.1	--	--	170	--	23	2.0	.3	23
343949088335301	80-04-09	.2	3.5	146	0	120	7.4	.5	2.8	.1	12
344125088230801	80-07-16	5.3	9.8	--	--	110	--	22	1.7	.3	12
344125088230802	80-07-16	.7	3.7	--	--	64	--	15	2.3	.2	13
344125088230803	80-07-16	.7	4.6	--	--	90	--	9.7	1.4	.2	33
344251088323001	80-04-09	.3	3.3	146	0	120	4.7	5.7	8.8	.1	16

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	DATE OF SAMPLE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
					ALCORN						
344608088244301	80-07-15	48	30	--	--	--	--	1900	--	--	10
344608088244302	80-07-15	42	36	--	--	--	--	970	--	--	10
344608088244303	80-07-15	53	37	--	--	--	--	1000	--	--	10
344608088244304	80-07-15	108	108	--	--	--	--	220	--	--	20
					ITAWAMBA						
341232088225301	80-04-24	64	60	2.5	.010	1700	1600	90	20	0	20
341232088225302	80-04-24	48	42	.02	.010	18000	7000	11000	410	50	360
341610088264801	80-04-22	95	89	.00	.010	1100	680	420	300	0	300
341610088264802	80-04-22	170	146	.07	.010	67000	0	67000	3100	0	3100
341621088255001	80-08-12	78	103	.06	.000	54000	24000	30000	4900	2400	2500
342241088235701	79-12-19	--	--	--	--	--	--	--	--	--	--
	80-05-28	--	--	--	--	--	--	--	--	--	--
342241088235702	79-12-19	--	--	--	--	--	--	--	--	--	--
342245088232501	79-12-19	--	--	--	--	--	--	--	--	--	--
	80-03-13	--	--	--	--	--	--	--	--	--	--
342301088230101	80-04-22	32	30	.00	.010	17000	0	17000	380	0	380
					LOWNDES						
332935088282001	80-04-23	320	305	.02	.010	2100	2100	30	50	30	20
332935088282002	80-04-23	40	40	.99	.010	35000	35000	40	530	480	50
					MONROE						
334910088311501	80-04-23	134	136	.01	.010	9000	8300	740	360	30	330
334910088311502	80-04-23	76	73	2.0	.010	14000	13000	1200	310	60	250
335445088312501	80-04-23	85	76	.00	.010	7200	6300	860	790	140	650
335445088312502	80-04-23	52	48	4.8	.010	100	0	110	30	0	30
340054088281801	80-04-23	70	63	.01	.010	3000	0	3600	370	0	380
340056088283001	80-04-23	100	91	.01	.010	27000	0	28000	1000	0	1100
					PRENTISS						
342838088215001	80-08-12	48	68	.01	.010	27000	14000	13000	660	0	670
342917088212701	80-04-22	44	40	.04	.010	12000	0	12000	630	0	660
343856088215501	80-07-16	95	88	--	--	--	--	1500	--	--	10
343856088215502	80-07-16	137	134	--	--	--	--	140	--	--	20
343856088215503	80-07-16	237	239	--	--	--	--	10	--	--	10
343949088335301	80-04-09	149	138	.02	.010	320	180	140	90	0	90
344125088230801	80-07-16	169	167	--	--	--	--	260	--	--	10
344125088230802	80-07-16	103	102	--	--	--	--	800	--	--	260
344125088230803	80-07-16	126	139	--	--	--	--	200	--	--	140
344251088323001	80-04-09	160	155	.01	.010	550	380	170	100	10	90

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)
			PRENTISS						
344310088320201	B033 THRASHER SCHOOL	211EUTWR	485	80-04-09	0930	--	80010	250	7.4
344456088224901	D036 USCE W1-1	211GORD	371	80-07-14	--	810	80010	175	7.9
344456088224902	D037 USCE W1-2	211EUTW	280	80-07-14	--	810	80010	187	7.7
			TISHOMINGO						
342854088194102	L033 USCE 54B	111ALVM	12	80-04-22	1300	--	80010	20	5.3
343614088103001	K001 TISHOMINGO PARK	331TCMB	150	80-04-09	1300	--	80010	225	7.6
344017088180402	J018 USCE 31A	211GORD	178	80-04-08	1200	--	80010	195	6.8
344017088180403	J019 USCE 31B	211EUTWR	74	80-04-08	1330	--	80010	59	5.7
344228088173902	G041 USCE 23N	211EUTWL	200	80-04-10	1200	--	80010	52	6.3
344253088162802	G015 USCE 25A	211GORD	235	80-04-22	1645	--	80010	60	6.1
344253088162803	G016 USCE 25B	211EUTWR	200	80-04-11	0930	--	80010	38	5.7
344617088211901	D051 USCE 11D	211EUTW	210	80-07-16	--	810	80010	57	7.6
344638088200104	D042 USCE 12C	211EUTWR	88	80-04-11	1030	--	80010	103	6.2
344834088111601	F001 H M BIGGS	211GORD	130	80-04-09	1430	--	80010	57	6.2
344849088120401	E006 IUKA	337FRPN	360	80-04-08	1530	--	80010	24	6.0
345007088185801	D024 BURNSVILLE	300PLZC	246	80-04-08	1000	--	80010	69	6.4

STATION NUMBER	DATE OF SAMPLE	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
					PRENTISS						
344310088320201	80-04-09	18.5	0	110	0	--	--	35	5.0	7.0	12
344456088224901	80-07-14	--	8	70	0	--	--	27	.5	2.4	6
344456088224902	80-07-14	--	3	69	0	--	--	24	2.3	10	23
					TISHOMINGO						
342854088194102	80-04-22	14.0	5	5	0	.9	45	1.0	.5	2.2	39
343614088103001	80-04-09	17.0	0	100	0	--	--	35	3.5	7.1	13
344017088180402	80-04-08	20.0	5	36	0	.3	15	12	1.5	24	56
344017088180403	80-04-08	18.0	0	16	1	.3	15	4.5	1.2	2.2	21
344228088173902	80-04-10	20.0	0	13	0	.4	20	3.5	1.1	3.3	32
344253088162802	80-04-22	17.0	0	14	0	--	--	3.9	1.1	3.2	29
344253088162803	80-04-11	20.5	5	9	1	.1	5.0	1.9	1.0	1.4	23
344617088211901	80-07-16	--	4	17	0	--	--	5.7	.7	2.2	20
344638088200104	80-04-11	19.5	0	34	1	.4	20	10	2.2	5.1	23
344834088111601	80-04-09	17.5	0	19	4	.3	15	5.6	1.1	1.5	14
344849088120401	80-04-08	18.0	0	6	0	.4	20	1.9	.4	1.9	36
345007088185801	80-04-08	20.5	5	29	4	.3	15	8.3	1.9	1.1	7

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	DATE OF SAMPLE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
					PRENTISS						
344310088320201	80-04-09	.3	3.8	134	0	110	8.5	6.0	9.6	.1	12
344456088224901	80-07-14	.1	10	--	--	75	--	7.8	2.2	.1	13
344456088224902	80-07-14	.5	3.9	--	--	80	--	15	2.3	.3	26
					TISHOMINGO						
342854088194102	80-04-22	.4	2.3	7	0	4	56	2.9	2.3	.0	8.4
343614088103001	80-04-09	.3	.9	134	0	110	5.4	.5	5.8	.1	8.2
344017088180402	80-04-08	1.7	4.1	95	0	78	24	11	1.3	.1	17
344017088180403	80-04-08	.2	1.7	18	0	15	57	6.1	1.3	.0	26
344228088173902	80-04-10	.4	1.8	19	0	16	15	7.8	1.4	.0	26
344253088162802	80-04-22	.4	2.0	21	0	17	27	5.1	.9	.0	36
344253088162803	80-04-11	.2	1.1	10	0	8	31	6.9	.9	.0	19
344617088211901	80-07-16	.2	1.7	--	--	--	--	1.7	2.1	.2	.1
344638088200104	80-04-11	.4	2.7	41	0	33	65	7.6	2.0	.2	30
344834088111601	80-04-09	.2	1.4	18	0	15	18	5.7	1.3	.1	8.7
344849088120401	80-04-08	.3	.7	9	0	7	14	.9	1.0	.0	8.7
345007088185801	80-04-08	.1	1.6	30	0	25	19	6.0	1.0	.2	7.9

STATION NUMBER	DATE OF SAMPLE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
					PRENTISS						
344310088320201	80-04-09	147	145	.03	.030	690	300	390	150	10	140
344456088224901	80-07-14	110	108	--	--	--	--	10	--	--	20
344456088224902	80-07-14	130	132	--	--	--	--	10	--	--	250
					TISHOMINGO						
342854088194102	80-04-22	28	23	.04	.010	1900	1700	170	170	100	70
343614088103001	80-04-09	136	127	.05	.010	1100	1100	20	40	20	20
344017088180402	80-04-08	211	119	.01	.010	4300	3700	600	150	90	60
344017088180403	80-04-08	50	55	.03	.000	3400	900	2500	70	0	70
344228088173902	80-04-10	--	52	.05	.000	90	30	60	130	0	130
344253088162802	80-04-22	66	62	.01	.010	13000	0	14000	480	0	530
344253088162803	80-04-11	44	38	.04	.000	1300	460	840	40	0	40
344617088211901	80-07-16	40	32	--	--	--	--	10	--	--	10
344638088200104	80-04-11	--	81	1.1	.000	1800	100	1700	340	0	340
344834088111601	80-04-09	39	43	.04	.020	13000	4300	8700	900	30	870
344849088120401	80-04-08	24	21	.13	.020	40	0	40	10	1	9
345007088185801	80-04-08	55	60	.00	.010	16000	0	16000	1200	0	1200

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	STATION NAME	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)
	TISHOMINGO					
343855088155380	J071 USCE 1704-A DISPOSAL AREA WELL	22	80-05-07	1230	194	6.8
		22	80-07-11	1050	149	6.2
343855088155381	J072 USCE 1704-B DISPOSAL AREA WELL	20	80-05-07	1400	790	5.2
		20	80-07-11	1055	958	5.1
344047088171981	J070 USCE 1507-B DISPOSAL AREA WELL	19	80-07-11	1030	295	4.9
344154088173181	G091 USCE 1501-B DISPOSAL AREA WELL	30	80-05-07	1115	2740	4.8
		30	80-07-11	0955	2360	4.6
345428088161980	B032 USCE 602A-A DISPOSAL AREA WELL	34	80-05-07	0930	326	5.4
		34	80-07-11	0900	154	6.0

STATION NUMBER	DATE OF SAMPLE	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM (PERCENT
	TISHOMINGO										
343855088155380	80-05-07	18.5	35	75	20	.2	10	23	4.3	5.9	14
	80-07-11	18.5	1	59	11	.7	35	17	4.0	4.9	14
343855088155381	80-05-07	18.0	0	350	350	1.6	79	94	29	6.6	4
	80-07-11	19.5	0	360	360	2.3	114	97	29	6.1	3
344047088171981	80-07-11	20.0	0	130	110	.4	20	32	13	6.2	9
344154088173181	80-05-07	17.0	1	1100	1100	8.0	397	320	75	11	2
	80-07-11	17.5	4	830	830	13	646	240	56	14	3
345428088161980	80-05-07	16.5	2	100	0	.4	20	31	6.5	3.8	7
	80-07-11	17.5	6	47	0	.2	10	13	3.5	3.1	12

STATION NUMBER	DATE OF SAMPLE	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
	TISHOMINGO										
343855088155380	80-05-07	.3	4.2	67	0	55	17	29	4.5	.1	14
	80-07-11	.3	3.4	59	0	48	60	17	3.6	.1	15
343855088155381	80-05-07	.2	9.7	0	0	0	.0	410	2.3	.1	20
	80-07-11	.1	11	0	0	0	.0	480	1.9	.1	20
344047088171981	80-07-11	.2	6.3	24	0	20	483	110	2.8	.1	18
344154088173181	80-05-07	.1	18	0	0	0	.0	1600	15	.0	31
	80-07-11	.2	18	0	0	0	.0	1200	11	.1	27
345428088161980	80-05-07	.2	2.8	170	0	140	1090	9.0	3.4	.1	11
	80-07-11	.2	1.8	85	0	70	136	7.8	3.1	.1	8.2

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION NUMBER	DATE OF SAMPLE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
					TISHOMINGO						
343855088155380	80-05-07	126	120	.27	.020	19000	19000	250	720	0	720
	80-07-11	96	96	.11	.010	1600	1100	480	550	0	640
343855088155381	80-05-07	702	609	.01	.000	42000	11000	31000	4300	0	4300
	80-07-11	787	702	.03	.000	89000	39000	50000	5300	400	4900
344047088171981	80-07-11	227	213	.01	.000	8000	0	10000	1300	0	2100
344154088173161	80-05-07	2770	2310	.04	.000	240000	40000	200000	32000	0	32000
	80-07-11	2060	1720	.08	.010	100000	0	120000	26000	3000	23000
345428088161980	80-05-07	159	207	.07	.010	62000	23000	39000	16000	0	16000
	80-07-11	80	154	.01	.010	96000	32000	64000	7400	300	7100

AQUIFER NAMES OF GEOLOGIC UNIT CODES

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

111	ALVM	HOLOCENE ALLUVIUM, HOLOCENE
112	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, PLEISTOCENE
122	CTHL	LOWER CATAHOULA FORMATION, MIOCENE
122	HBRG	HATTIESBURG FORMATION, MIOCENE
122	MOCN	MIOCENE SERIES, MIOCENE
123	FRHL	FOREST HILL SAND, OLIGOCENE
123	MSPG	MINT SPRINGS MARL, OLIGOCENE
124	CCKF	COCKFIELD FORMATION, EOCENE
124	CKMN	COOK MOUNTAIN FORMATION, EOCENE
124	MUWX	MERIDIAN-UPPER WILCOX AQUIFER, EOCENE
124	SPRT	SPARTA SAND, EOCENE
124	WLCX	WILCOX GROUP, EOCENE
124	WLCXL	LOWER WILCOX AQUIFER, EOCENE
211	COKR	COKER FORMATION, UPPER CRETACEOUS
211	EUTW	EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWL	LOWER EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWR	EUTAW FORMATION (RESTRICTED), UPPER CRETACEOUS
211	GORD	GORDO FORMATION, UPPER CRETACEOUS
221	LUNN	LOUANN SALT, UPPER JURASSIC
300	PLZC	PALEOZOIC ERATHEM, PALEOZOIC
331	TCMB	TUSCUMBIA LIMESTOME, UPPER MISSISSIPPIAN
337	FRPN	FORT PAYNE CHERT, LOWER MISSISSIPPIAN

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons